Research Subtopics

Vaccination: Abortion
Vaccination: Adult Rubella
Vaccination: Animal Model
Vaccination: Anthrax
Vaccination: Anti-Fertility
Vaccination: BCG (Tuberculosis)
Vaccination: Combinations
Vaccination: Diphtheria-Pertussis-Tetanus
Vaccination: GMO Vaccines
Vaccination: HPV (Gardasil)
Vaccination: Haemophilus Influenzae
Vaccination: Hepatitis B
Vaccination: Hexavalent
Vaccination: Influenza
Vaccination: Japanese Encephalitis Virus Vaccine
Vaccination: Lyme disease
Vaccination: Measles
Vaccination: Mumps-Measles-Rubella (MMR)
Vaccination: Nasal
This Smart Search PDF was created based on 1 research topic. There are a total of 438 unique research articles on GreenMedInfo.com in regard to your search topic, all compiled in this research document.

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Our technology pulls from the equivalent of 20,454+ years of scientific experimental labor and pulls results based on variables the user decides are relevant.

Below you will find compelling research hard-referenced to peer-reviewed biomedical research sourced from the US National Library of Medicine. For more research on over 6000 validated topics, please visit http://GreenMedInfo.com/research-dashboard

### Overview of Terms

**Associated with Your Search Topic**

248 Relevant Results for Diseases

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### 37 Relevant Results for Problematic Actions

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<td>3</td>
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<td>Vaccine Side Effect Attenuation</td>
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<td>Asymptomatic Transmission</td>
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<td>Conflict Of Interest (COI)</td>
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<tr>
<td>Topic</td>
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<tr>
<td>Cross-Species Infection</td>
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<td>Edible Vaccines</td>
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<tr>
<td>Ethical Issues</td>
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<td>Gulf War Syndrome</td>
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<td>Plant Vaccines</td>
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<tr>
<td>Population Control</td>
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<td>Vaccine Risks: Mycoplasma</td>
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<td>Vaccine-Induced Metabolic Shift (VIMS)</td>
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### 5 Relevant Results for Pharmacological Actions

<table>
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<tr>
<th>Pharmacological Action Name</th>
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<th>Article Count</th>
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<tr>
<td>Tumor Necrosis Factor (TNF) Alpha Inhibitor</td>
<td>22</td>
<td>3</td>
</tr>
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<td>Interleukin-6 upregulation</td>
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<tr>
<td>Immunomodulatory</td>
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<td>Antioxidants</td>
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### 13 Relevant Results for Problem Substances

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<th>Problem Substance Name</th>
<th>Cumulative Knowledge</th>
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<td>Thimerosal</td>
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<td>18</td>
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<tr>
<td>Vaccine Adjuvants</td>
<td>50</td>
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<td>Aluminum Hydroxide</td>
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<td>Simian virus 40 (SV40)</td>
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<td>Adjuvant</td>
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<td>2</td>
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<td>Mercury</td>
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<td>2</td>
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<td>Squalene, Adjuvant</td>
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<td>Statin Drugs</td>
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### 1 Relevant Result for Therapeutic Actions

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<th>Therapeutic Action Name</th>
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<td>Breastfeeding</td>
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### 5 Relevant Results for Substances

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<td>Breast Milk</td>
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<td>Vitamin D</td>
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<td>Coriandrum sativum</td>
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<td>Lactobacilius bulgaricus</td>
<td>2</td>
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</tbody>
</table>

View the Evidence.
438 Research Articles in Total.

**Category : Diseases**

**Abortion: Spontaneous (AC 7) (CK 13)**

A vaccine developed for bison resulted in inducing
placentitis and abortion in pregnant cows.

Article Published Date : Nov 01, 1996
Authors : M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville
Study Type : Animal Study
Additional Links

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

Pubmed Data : J Wildl Dis. 1991 Apr;27(2):258-64. PMID: 1906114
Article Published Date : Apr 01, 1991
Authors : D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams
Study Type : Animal Study
Additional Links

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.

Article Published Date : Jun 01, 2006
Authors : Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart
Study Type : Animal Study
Additional Links

Rift Valley fever vaccine in goats cause severe deleterious
pathological changes in liver especially in kids and causing abortion in pregnant does.

Article Published Date : Jan 01, 2009
Authors : Samia Ahmed Kamal
Study Type : Animal Study
Additional Links

The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial.

Article Published Date : May 02, 2008
Authors : Soju Chang, Robert Ball, M Miles Braun
Study Type : Review
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

Pubmed Data : Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
Article Published Date : Mar 01, 2005
Authors : M Flanagan, S J Johnson
Study Type : Animal Study
Additional Links

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.
Acute Autoimmune Neuropathy (AC 2) (CK 20)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.
**Acute Flaccid Paralysis (AC 2) (CK 2)**

Differential diagnosis of acute flaccid paralysis and its role in poliomyelitis surveillance.

**Pubmed Data** : Epidemiol Rev. 2000;22(2):298-316. PMID: 11218380

**Article Published Date** : Jan 01, 2000

**Authors** : A Marx, J D Glass, R W Sutter

**Study Type** : Review

**Additional Links**

**Diseases** : Acute Flaccid Paralysis : CK(14) : AC(4)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Polio : CK(98) : AC(17)

---

Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.


**Article Published Date** : Jan 01, 2012

**Authors** : Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

**Study Type** : Review

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Polio : CK(98) : AC(17)

---

**Acute Inflammatory Demyelinating**
**Polyradiculoneuropathy (AC 1) (CK 3)**

**A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.**

Pubmed Data: J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: 11412876

Article Published Date: May 01, 2001

Authors: E Sindern, J M Schröder, M Krismann, J P Malin

Study Type: Human: Case Report

Additional Links

Diseases: Acute Inflammatory Demyelinating Polyradiculoneuropathy : CK(3) : AC(1), Polyradiculoneuropathy: Acute Inflammatory : CK(87) : AC(1)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

---

**Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE) (AC 1) (CK 3)**

**Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.**

Pubmed Data: Arch Ophthalmol. 1995 Mar;113(3):297-300. PMID: 7887843

Article Published Date: Mar 01, 1995

Authors: A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang

Study Type: Human: Case Report

Additional Links

Diseases: Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE) : CK(3) : AC(1), Chorioretinitis : CK(3) : AC(1)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
Aging (AC 1) (CK 10)

Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections.

Article Published Date: Oct 01, 2004
Study Type: Human Study
Additional Links
Diseases: Aging : CK(1658) : AC(438)
Anti Therapeutic Actions: Vaccination: Pneumococcal : CK(71) : AC(8)

Allergic Rhinitis (AC 1) (CK 10)

Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.

Article Published Date: May 31, 2005
Authors: S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G Cook
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Allergies (AC 2) (CK 23)
Allergy to viral and rickettsial vaccines; review of the literature.

Authors: S UNTRACHT, B RATNER
Study Type: Human: Case Report
Additional Links
Diseases: Allergies: CK(703) : AC(132)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532
Article Published Date: Feb 01, 2000
Authors: E L Hurwitz, H Morgenstern
Study Type: Meta Analysis
Additional Links
Diseases: Allergies: CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(74) : AC(12)

Allergies: Childhood (AC 1) (CK 20)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532
Article Published Date: Feb 01, 2000
Authors: E L Hurwitz, H Morgenstern
Study Type: Meta Analysis
Additional Links
Diseases: Allergies: CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) :
Alopecia (AC 1) (CK 10)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Article Published Date : Jun 01, 2005
Authors : David A Geier, Mark R Geier
Study Type : Human Study
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Aluminum Toxicity (AC 9) (CK 38)

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

Article Published Date : Jan 01, 2012
Authors : L Tomljenovic, Ca Shaw
Study Type : Review
Additional Links
Diseases : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)
Problem Substances : Aluminum : CK(274) : AC(78), Aluminum Hydroxide : CK(79) : AC(18),
Alhydrogel injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects.

**Article Published Date**: Nov 27, 2016
**Authors**: Guillemette Crépeaux, Housam Eidi, Marie-Odile David, Yasmine Baba-Amer, Eleni Tzavara, Bruno Giros, François-Jérôme Authier, Christopher Exley, Christopher A Shaw, Josette Cadusseau, Romain K Gherardi
**Study Type**: Animal Study
**Additional Links**
**Diseases**: Aluminum Toxicity
**Anti Therapeutic Actions**: Vaccination: All
**Problem Substances**: Aluminum Hydroxide
**Adverse Pharmacological Actions**: Neurotoxic

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

**Article Published Date**: Feb 01, 2009
**Authors**: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier
**Study Type**: Commentary
**Additional Links**
**Diseases**: Aluminum Toxicity, Chronic Fatigue Syndrome, Myopathy: Inflammatory, Vaccine-induced Toxicity
**Anti Therapeutic Actions**: Vaccination: All

Aluminum based adjuvants caused cell death and the subsequent release of host cell DNA, which acts as a potent endogenous immunostimulatory signal mediating alum adjuvant activity.

**Article Published Date**: Jul 31, 2011
**Authors**: Thomas Marichal, Keiichi Ohata, Denis Bedoret, Claire Mesnil, Catherine Sabatel, Kouji Kobiyama, Pierre Lekeux, Cevayir Coban, Shizuo Akira, Ken J Ishii, Fabrice Bureau, Christophe J
Aluminum vaccine adjuvants appear to be contributing to the rising prevalence of autism.


Article Published Date: Oct 31, 2011

Authors: Lucija Tomljenovic, Christopher A Shaw

Study Type: Human Study

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

Pubmed Data: Front Neurol. 2015;6:4. Epub 2015 Feb 5. PMID: 25699008

Article Published Date: Dec 31, 2014

Authors: Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

Study Type: Review

In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different
methods.

**Pubmed Data**: Brain. 2001 Sep;124(Pt 9):1821-31. PMID: [11522584](https://pubmed.ncbi.nlm.nih.gov/11522584/)

**Article Published Date**: Aug 31, 2001

**Authors**: R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

**Additional Keywords**: Biopersistence : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Tetanus : CK(74) : AC(12)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

---

**Insight into the cellular fate and toxicity of aluminium adjuvants used in clinically approved human vaccinations.**


**Article Published Date**: Aug 11, 2016

**Authors**: Matthew Mold, Emma Shardlow, Christopher Exley

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Problem Substances**: Aluminum : CK(274) : AC(78)

---

**Up-to-date children were exposed to 11-26% more aluminum from vaccines than undervaccinated children between 2004 and 2011.**


**Article Published Date**: Nov 26, 2015

**Authors**: Jason M Glanz, Sophia R Newcomer, Matthew F Daley, David L McClure, Roger P Baxter, Michael L Jackson, Allison L Naleway, Marlene M Lugg, Frank DeStefano

**Study Type**: Human Study

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Problem Substances**: Aluminum : CK(274) : AC(78)
**Amygdala: Damage/Abnormalities (AC 1) (CK 2)**

**Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.**


**Article Published Date**: Dec 31, 2009

**Authors**: Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Amygdala: Damage/Abnormalities: CK(12) : AC(2), Neurodevelopmental Disorders: CK(217) : AC(33), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Animal Model: CK(41) : AC(17)

**Problem Substances**: Thimerosal: CK(757) : AC(85)

---

**Anaphylaxis (AC 3) (CK 14)**

**Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.**


**Article Published Date**: Jan 01, 1990

**Authors**: Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

**Study Type**: Human: Case Report

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)
Highly increased levels of IgE antibodies to vaccine components in children with influenza vaccine-associated anaphylaxis.

**Pubmed Data** : J Allergy Clin Immunol. 2015 Sep 11. Epub 2015 Sep 11. PMID: 26365388

**Article Published Date** : Sep 10, 2015

**Authors** : Mizuho Nagao, Takao Fujisawa, Toshiaki Ihara, Yoichiro Kino

**Study Type** : Human Study

**Additional Links**

**Diseases** : Anaphylaxis : CK(67) : AC(18)

**Anti Therapeutic Actions** : Vaccination: Influenza : CK(435) : AC(50)

**Problem Substances** : 2-phenoxyethanol : CK(2) : AC(2)

---

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.


**Article Published Date** : May 25, 1994

**Authors** : K R Stratton, C J Howe, R B Johnston

**Study Type** : Review

**Additional Links**


---

### Anemia: Aplastic (AC 1) (CK 10)

Varicella vaccine may be associated with aplastic anemia in children.


**Article Published Date** : Aug 01, 2009

**Authors** : Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples,
Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anemia: Aplastic : CK(30) : AC(3), Chickenpox : CK(113) : AC(12)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chickenpox) : CK(177) : AC(22)

---

**Animal Diseases: Infectious (AC 4) (CK 8)**

**A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.**


**Article Published Date**: Nov 01, 1996

**Authors**: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

**Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.**

**Pubmed Data**: J Wildl Dis. 1991 Apr;27(2):258-64. PMID: 1906114

**Article Published Date**: Apr 01, 1991

**Authors**: D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

**Vaccination of pregnant monkeys resulted in abortions in**
Vaccine-induced scrapie has been reported in animals.

Pubmed Data: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
Article Published Date: Apr 01, 2003
Authors: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli
Study Type: Animal Study
Additional Links

Animal Diseases: Porcine Circovirus Type 2 (PCV2) (AC 5) (CK 9)

Experimental in utero inoculation of late-term swine fetuses with porcine circovirus type 2 results in a high rate of reproductive abnormalities, including mummification and stillbirth.

Article Published Date: Nov 01, 2002
Authors: Charles S Johnson, Han S Joo, Kochakorn Direksin, Kyoung-Jin Yoon, Young K Choi
Study Type: Animal Study
PCV2 infection is now widespread worldwide, and increasing numbers of disease conditions have been linked to PCV2 infection in pigs.

Article Published Date: Mar 01, 2012
Authors: Xiang-Jin Meng
Study Type: Review

Porcine circovirus type 2 (PCV2) vaccination of pregnant pigs may result in vertical transmission of PCV2 to the offspring.

Article Published Date: Jun 01, 2009
Authors: D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opriessnig
Study Type: Animal Study

The intranasal inoculation of pregnant sows with porcine circovirus 2 results in abortion and reproductive failure.

Article Published Date: Nov 01, 2009
Authors: J-S Park, J Kim, Y Ha, K Jung, C Choi, J-K Lim, S-H Kim, C Chae
Study Type: Animal Study
Vaccine-induced immunity in pregnant pigs is not effective in preventing viremia in offspring.


**Article Published Date**: Oct 01, 2009

**Authors**: D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opriessnig

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(13) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

Animal Diseases: Scrapie (AC 1) (CK 2)

Vaccine-induced scrapie has been reported in animals.

**Pubmed Data**: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108

**Article Published Date**: Apr 01, 2003

**Authors**: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

Animal Diseases: Simian Immunodeficiency Virus (SIV) (AC 1) (CK 2)
Vaccine-induced, simian immunodeficiency virus-specific CD8+ T cells reduce virus replication but do not protect from simian immunodeficiency virus disease progression.

**Pubmed Data**: J Immunol. 2009 Jul 1;183(1):706-17. PMID: 19542473

**Article Published Date**: Jul 01, 2009

**Authors**: Jessica C Engram, Richard M Dunham, George Makedonas, Thomas H Vanderford, Beth Sumpter, Nichole R Klett, Sarah J Ratcliffe, Seema Garg, Mirko Paiardini, Monica McQuoid, John D Altman, Silvija I Staprans, Michael R Betts, David A Garber, Mark B Feinberg, Guido Silvestri

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Animal Diseases: Simian Immunodeficiency Virus (SIV) : CK(2) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

**Animal Diseases: Smithburn Rift Valley Fever (AC 2) (CK 4)**

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.


**Article Published Date**: Jun 01, 2006

**Authors**: Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

**Rift Valley fever vaccine in goats cause severe deleterious**
pathological changes in liver especially in kids and causing abortion in pregnant does.


**Article Published Date**: Jan 01, 2009

**Authors**: Samia Ahmed Kamal

**Study Type**: Animal Study


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

---

**Anthrax (AC 6) (CK 42)**

**Anthrax vaccine development suffers from a wide range of potentially insurmountable problems.**

**Pubmed Data**: Przegl Epidemiol. 2009 ;63(4):505-12. PMID: 20120948

**Article Published Date**: Jan 01, 2009

**Authors**: Dorota Zakowska, Janusz Kocik, Michał Bartoszcze

**Study Type**: Review

**Diseases**: Anthrax : CK(47) : AC(9)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

---

**Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.**


**Article Published Date**: Aug 15, 2008

**Authors**: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

**Study Type**: Human Study

**Additional Links**
Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.


**Article Published Date**: Mar 01, 2007

**Authors**: Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax:CK(47):AC(9), Vaccine-induced Toxicity:CK(1325):AC(194)

**Additional Keywords**: Gender Differences:CK(63):AC(8)


---

The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database.


**Article Published Date**: May 01, 2004

**Authors**: Mark R Geier, David A Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax:CK(47):AC(9), Vaccine-induced Toxicity:CK(1325):AC(194)


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The development of human vaccines for anthrax has suffered from a number of technical challenges.


**Article Published Date**: Dec 01, 2009

**Authors**: Leslie W Baillie

**Study Type**: Review

**Additional Links**

**Diseases**: Anthrax:CK(47):AC(9)
The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome.


**Article Published Date**: Feb 01, 2011

**Authors**: Pamela B Asa, Russell B Wilson, Robert F Garry

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax : CK(47) : AC(9), Gulf War Syndrome : CK(43) : AC(6)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

**Problem Substances**: Squalene, Adjuvant : CK(2) : AC(1)

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**Anti-NMDA Receptor Autoimmunity (AC 1) (CK 3)**

Postural tachycardia syndrome (POTS) with anti-NMDA receptor antibodies after human papillomavirus vaccination.


**Article Published Date**: Aug 24, 2016

**Authors**: Svetlana Blitshteyn, Jill Brook

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Anti-NMDA Receptor Autoimmunity : CK(3) : AC(1)

**Additional Keywords**: Anti-NMDA Receptor Autoimmunity : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardisil) : CK(150) : AC(22)
Antiphospholipid Syndrome (AC 1) (CK 3)

This describes four cases of auto-immune reactions after tetanus vaccination.

Article Published Date : Jul 18, 2016
Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy
Study Type : Human: Case Report
Additional Links
Diseases : Antiphospholipid Syndrome : CK(3) : AC(1), Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Systemic Lupus Erythematosus : CK(466) : AC(67)
Additional Keywords : Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions : Vaccination: Tetanus : CK(74) : AC(12)

Aphthosis: Buccal (AC 1) (CK 3)

Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child]

Article Published Date : Jan 01, 1996
Authors : P Grézard, M Chefaï, V Philippot, H Perrot, M Faisant
Study Type : Human: Case Report
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

**Pubmed Data**: Clin Exp Rheumatol. 2002 Nov-Dec;20(6):767-71. PMID: [12508767](#)

**Article Published Date**: Nov 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Arthritis : CK(1964) : AC(312), Autoimmune Diseases : CK(6629) : AC(1128), Rheumatoid Arthritis : CK(706) : AC(117), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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Hepatitis B vaccination is associated with a wide range of autoimmune diseases.


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

**Pubmed Data**: Autoimmunity. 2005 Jun;38(4):295-301. PMID: [16206512](#)

**Article Published Date**: Jun 01, 2005

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**
**Diseases**:

**Anti Therapeutic Actions**:
- Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

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**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.**

**Pubmed Data**:

**Article Published Date**:
- Jan 01, 2001

**Authors**:
- M A Fisher, S A Eklund, S A James, X Lin

**Study Type**:
- Human Study

**Additional Links**

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**This study found evidence of a causal relation between the RA 27/3 rubella vaccine strain and chronic arthritis in adult women.**

**Pubmed Data**:

**Article Published Date**:
- Jul 31, 1992

**Authors**:
- C P Howson, M Katz, R B Johnston, H V Fineberg

**Study Type**:
- Human Study

**Additional Links**
- Arthritis: CK(1964) : AC(312)

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**Arthritis: Juvenile Chronic (AC 1) (CK 10)**
Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.


**Article Published Date**: Jan 01, 2001

**Authors**: M A Fisher, S A Eklund, S A James, X Lin

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.

Arthritis: Juvenile Rheumatoid (AC 1) (CK 10)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.


Arthritis: Juvenile Rheumatoid (AC 1) (CK 10)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.
Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.
Delay in diphtheria, pertussis, tetanus vaccination is associated with a reduced risk of childhood asthma.


**Article Published Date**: Feb 29, 2008

**Authors**: Kara L McDonald, Shamima I Huq, Lisa M Lix, Allan B Becker, Anita L Kozyrskyj

**Study Type**: Human Study

**Additional Links**

**Diseases**: Asthma : CK(1157) : AC(190)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.


**Article Published Date**: Mar 01, 2007

**Authors**: Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Asthma : CK(1157) : AC(190), Atopic Disease : CK(101) : AC(10), Hypersensitivity: Immediate : CK(143) : AC(14)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria : CK(50) : AC(2)

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Pertussis vaccination and asthma: is there a link?


**Article Published Date**: Aug 23, 1994

**Authors**: M R Odent, E E Culpin, T Kimmel

**Study Type**: Commentary

**Additional Links**

**Diseases**: Asthma : CK(1157) : AC(190), Autoimmune Diseases : CK(6629) : AC(1128), Whooping Cough : CK(147) : AC(22)

**Additional Keywords**: Diseases that are Linked : CK(2335) : AC(304)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(148) : AC(25)
Atopic Disease (AC 1) (CK 20)

**Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.**


**Article Published Date**: Mar 01, 2007

**Authors**: Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Asthma : CK(1157) : AC(190), Atopic Disease : CK(101) : AC(10), Hypersensitivity: Immediate : CK(143) : AC(14)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria : CK(50) : AC(2)

Attention Deficit Disorder (AC 1) (CK 1)

**Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.**


**Article Published Date**: Apr 01, 2009

**Authors**: Donald A Drum

**Study Type**: Commentary

**Additional Links**

**Diseases**: Attention Deficit Disorder : CK(136) : AC(14), Attention Deficit Disorder with Hyperactivity : CK(303) : AC(38), Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Child Mortality : CK(74) : AC(9), Infant Mortality : CK(249) : AC(25), Mental Retardation :
Attention Deficit Disorder with Hyperactivity (AC 1) (CK 1)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.


Article Published Date: Apr 01, 2009

Authors: Donald A Drum

Study Type: Commentary

Additional Links


Additional Keywords: Thimerosal: CK(3) : AC(2)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Autism (AC 12) (CK 86)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.


Article Published Date: Nov 01, 2011

Authors: Lucija Tomljenovic, Christopher A Shaw

Study Type: Human Study
Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.


**Article Published Date**: Jul 01, 2009

**Authors**: Vijendra K Singh

**Study Type**: Commentary

Conjugate vaccines may predispose children to autism spectrum disorders.


**Article Published Date**: Oct 10, 2011

**Authors**: Brian J Richmand

**Study Type**: Review

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder.


**Article Published Date**: May 01, 2003

**Authors**: Bijal K Mehta, Kerim M Munir

**Study Type**: Commentary
Male newborns vaccinated with hepatitis B prior to 1999 had a 3-fold higher risk for parentally reported autism.

Article Published Date: Jan 01, 2010
Authors: Carolyn M Gallagher, Melody S Goodman
Study Type: Meta Analysis

Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Neurological adverse events associated with vaccination.

Article Published Date: May 31, 2002
Authors: Sucheep Piyasirisilp, Thiravat Hemachudha
Study Type: Review

Additional Links
Diseases: Autism: CK(617) : AC(73), Guillain-Barre Syndrome: CK(110) : AC(18), Multiple Sclerosis: CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease: CK(4) : AC(2), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Adverse Events: CK(35) : AC(5), Vaccine Contaminants: CK(11) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)
Problem Substances: Aluminum: CK(274) : AC(78), Thimerosal: CK(757) : AC(85)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Article Published Date: Jan 01, 2008
Authors: Burton A Waisbren
Study Type: Commentary
The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.

Article Published Date: Jul 01, 2002
Authors: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.

Article Published Date: Jan 01, 2011
Authors: Gayle Delong
Study Type: Human Study
Additional Links
Diseases: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Article Published Date: Dec 31, 2012
Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.


Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

A gender-selective toxicity of thimerosal was observed; this finding is relevant to autism spectrum diagnosis prevalence among males and females.

**Article Published Date**: Feb 28, 2009
**Authors**: Donald R Branch
**Study Type**: Animal Study
**Additional Links**
- **Diseases**: Autism Spectrum Disorders: CK(1493) : AC(159)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
- **Problem Substances**: Thimerosal : CK(757) : AC(85)

Aluminum vaccine adjuvants appear to be contributing to the rising prevalence of autism.

**Article Published Date**: Oct 31, 2011
**Authors**: Lucija Tomljenovic, Christopher A Shaw
**Study Type**: Human Study
**Additional Links**
- **Diseases**: Aluminum Toxicity : CK(207) : AC(75), Autism Spectrum Disorders : CK(1493) : AC(159)
- **Additional Keywords**: Diseases that are Linked : CK(2335) : AC(304)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
- **Problem Substances**: Vaccine Adjuvants : CK(594) : AC(118)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.

**Article Published Date**: Nov 01, 2011
**Authors**: Lucija Tomljenovic, Christopher A Shaw
**Study Type**: Human Study
**Additional Links**
- **Diseases**: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
- **Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)
- **Adverse Pharmacological Actions**: Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)
Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.

**Pubmed Data**: Altern Ther Health Med. 2008 Nov-Dec;14(6):46-53. PMID: [19043938](#)

**Article Published Date**: Nov 01, 2008

**Authors**: Russell L Blaylock

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism Spectrum Disorders: CK(1493) : AC(159), Excitotoxicity: CK(58) : AC(35), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437)

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Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children.

**Pubmed Data**: Pediatr Neurol. 2003 Apr;28(4):292-4. PMID: [12849883](#)

**Article Published Date**: Apr 01, 2003

**Authors**: Vijendra K Singh, Ryan L Jensen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autism Spectrum Disorders: CK(1493) : AC(159), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

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Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.

**Pubmed Data**: Ann Clin Psychiatry. 2009 Jul-Sep;21(3):148-61. PMID: [19758536](#)

**Article Published Date**: Jul 01, 2009

**Authors**: Vijendra K Singh

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159), Autoimmune Diseases: CK(6629) : AC(1128)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

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Biological assays lend support to the association between
measles virus or MMR and autism.

Boys vaccinated as neonates had threefold greater odds for autism diagnosis compared to boys never vaccinated or vaccinated after the first month of life.

Conjugate vaccines may predispose children to autism spectrum disorders.
MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder.

Pubmed Data : Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897
Article Published Date : May 01, 2003
Authors : Bijal K Mehta, Kerim M Munir
Study Type : Commentary
Additional Links
Additional Keywords : Molecular Mimicry : CK(67) : AC(15)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.

Article Published Date : Apr 01, 2000
Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield
Study Type : Human Study
Additional Links
Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Inflammatory Bowel Diseases : CK(1052) : AC(197), Ulcerative Colitis : CK(295) : AC(39), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Repetitive administration of aluminium to neonatal mice in amounts comparable to those to children receive via routine vaccinations result in neurodisruptive effects.

Article Published Date : Oct 31, 2013
The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.

The wakefield scare created a natural experiment that may demonstrate a causal relationship between fetal cell line manufactured vaccines and ASD prevalence.
There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.

Article Published Date : Jan 01, 2011  
Authors : Gayle Delong  
Study Type : Human Study  
Additional Links  
Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1325) : AC(194)  
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Article Published Date : Dec 31, 2012  
Authors : David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier  
Study Type : Human Study  
Additional Links  
Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)  
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437)  
Problem Substances : Mercury : CK(237) : AC(38), Thimerosal : CK(757) : AC(85)

Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.

This study found an increased ASD risk among children whose mothers received an influenza vaccination in their first trimester.


VAERS had significantly higher ORs than autism following thimerosal containing DTaP vaccines in comparison to thimerosal free DTaP vaccines.


Vaccination may be contributing to autoimmune disease.
**Autoimmune Diseases (AC 31) (CK 98)**

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

**Article Published Date** : Jan 01, 2012
**Authors** : L Tomljenovic, Ca Shaw
**Study Type** : Review
**Additional Links**
**Diseases** : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437)
A 13-year-old girl developed immune thrombocytopenic purpura following vaccination with a quadrivalent human papillomavirus (HPV) vaccine.


**Article Published Date**: Mar 31, 2016

**Authors**: Mojca Bizjak, Or Bruck, Darja Kanduc, Sonja Praprotnik, Yehuda Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Thrombocytopenia : CK(234) : AC(26)

**Additional Keywords**: Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardisil) : CK(150) : AC(22)

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

**Pubmed Data**: Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: 21785282

**Article Published Date**: Aug 01, 2011

**Authors**: Salvatore Chirumbolo

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Hypersensitivity : CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Problem Substances**: Adjuvant : CK(18) : AC(6)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.


**Article Published Date**: Nov 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Animal Study

**Additional Links**

**Problem Substances**: Aluminum : CK(274) : AC(78), Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)
Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.

**Pubmed Data**: Ann Clin Psychiatry. 2009 Jul-Sep;21(3):148-61. PMID: [19758536](#)

**Article Published Date**: Jul 01, 2009

**Authors**: Vijendra K Singh

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Autoimmunity following hepatitis B vaccine has been reported.

**Pubmed Data**: Lupus. 2012 Feb ;21(2):146-52. PMID: [2235045](#)

**Article Published Date**: Jan 31, 2012

**Authors**: Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(429) : AC(54)

**Adverse Pharmacological Actions**: Immunotoxic : CK(294) : AC(52)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

**Pubmed Data**: Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: [25699008](#)

**Article Published Date**: Dec 31, 2014

**Authors**: Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

**Study Type**: Review

**Additional Links**
Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.


**Article Published Date**: Jul 22, 2011

**Authors**: H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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Gardasil via its Al adjuvant and HPV antigens has the ability to trigger neuroinflammation and autoimmune reactions.


**Article Published Date**: Jul 15, 2016

**Authors**: Rotem Inbar, Ronen Weiss, Lucija Tomljenovic, Maria-Teresa Arango, Yael Deri, Christopher A Shaw, Joab Chapman, Miri Blank, Yehuda Shoenfeld

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Brain Inflammation : CK(274) : AC(145)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardisil) : CK(150) : AC(22)

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Hepatitis B vaccination is associated with a wide range of autoimmune diseases.


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study
Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.


**Article Published Date**: Sep 01, 2005

**Authors**: Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

**Study Type**: Human Study

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Hepatitis B vaccinations is associated with autoimmune hazards.

**Pubmed Data**: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](https://pubmed.ncbi.nlm.nih.gov/15722255/)

**Article Published Date**: Feb 01, 2005

**Authors**: Marc Girard

**Study Type**: Review

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Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with
an underlying genetic or immunological susceptibility.

**Article Published Date**: May 15, 2010
**Authors**: Joerg-Patrick Stübgen
**Study Type**: Review

**Additional Links**
**Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

**Pubmed Data**: Brain. 2001 Sep ;124(Pt 9):1821-31. PMID: 11522584
**Article Published Date**: Aug 31, 2001
**Authors**: R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier
**Study Type**: Human Study

**Additional Links**
**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)
**Additional Keywords**: Biopersistence : CK(11) : AC(2)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Tetanus : CK(74) : AC(12)
**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

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Infection and vaccines are triggers for autoimmune disease.

**Pubmed Data**: Autoimmunity. 2005 May;38(3):235-45. PMID: 16126512
**Article Published Date**: May 01, 2005
**Authors**: Vered Molina, Yehuda Shoenfeld
**Study Type**: Commentary

**Additional Links**
**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder.

Pubmed Data: Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897

Article Published Date: May 01, 2003

Authors: Bijal K Mehta, Kerim M Munir

Study Type: Commentary

Additional Links


Additional Keywords: Molecular Mimicry: CK(67) : AC(15)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

Pertussis vaccination and asthma: is there a link?


Article Published Date: Aug 23, 1994

Authors: M R Odent, E E Culpin, T Kimmel

Study Type: Commentary

Additional Links

Diseases: Asthma: CK(1157) : AC(190), Autoimmune Diseases: CK(6629) : AC(1128), Whooping Cough: CK(147) : AC(22)

Additional Keywords: Diseases that are Linked: CK(2335) : AC(304)

Anti Therapeutic Actions: Vaccination: Pertussis: CK(148) : AC(25)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.


Article Published Date: Jul 15, 2008

Authors: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Study Type: Human Study

Additional Links

Diseases: Acute Autoimmune Neuropathy: CK(20) : AC(2), Autoimmune Diseases: CK(6629) : AC(1128), Guillain-Barre Syndrome: CK(110) : AC(18), Influenza: CK(789) : AC(123), Swine Flu Associated Virus: CK(182) : AC(40), Vaccine-induced Toxicity: CK(1325) : AC(194)

Additional Keywords: Influenza Vaccine: CK(10) : AC(1), Swine Flu Vaccine: CK(10) : AC(1)
Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis.

Article Published Date: Feb 18, 2010
Authors: Serefnur Oztürk
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases: CK(6629): AC(1128), Multiple Sclerosis: CK(964): AC(184)

The HPV16 vaccine carries with it significant cross-reactivity risk due to the homologies that exist between the HPV and human proteome.

Article Published Date: Jan 01, 2009
Authors: Darja Kanduc
Study Type: In Vitro Study
Additional Links
Diseases: Autoimmune Diseases: CK(6629): AC(1128)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: HPV (Gardisil): CK(150): AC(22)

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase.

Article Published Date: Jan 01, 2005
Authors: E Faure
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)
The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.


**Article Published Date**: Jan 01, 2008

**Authors**: Burton A Waisbren

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism : CK(617) : AC(73), Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Epstein-Barr Virus Infections : CK(132) : AC(47), Hepatitis B : CK(241) : AC(46)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.


**Article Published Date**: Jul 01, 2002

**Authors**: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.


**Article Published Date**: Apr 15, 2005

**Authors**: S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Mercury Poisoning : CK(228) : AC(178),
This case of acute pancreatitis after HPV vaccination is not a novel entity.


Article Published Date: Jul 15, 2016

Authors: Mojca Bizjak, Or Bruck, Sonja Praprotnik, Shani Dahan, Yehuda Shoenfeld

Study Type: Human: Case Report

Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Pancreatitis: CK(233) : AC(60)

Additional Keywords: Molecular Mimicry : CK(67) : AC(15)

Anti Therapeutic Actions: Vaccination: HPV (Gardisil) : CK(150) : AC(22)

This describes four cases of auto-immune reactions after tetanus vaccination.


Article Published Date: Jul 18, 2016

Authors: N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

Study Type: Human: Case Report

Additional Links
Diseases: Antiphospholipid Syndrome : CK(3) : AC(1), Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Systemic Lupus Erythematosus : CK(466) : AC(67)

Additional Keywords: Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions: Vaccination: Tetanus : CK(74) : AC(12)

This review found evidence of a causal relationship between HPV vaccine and autoimmune diseases in a few cases in the examined studies, and the risk vs. benefit of vaccination is still to be solved.


Article Published Date: Jun 30, 2014

Authors: Paolo Pellegrino, Carla Carnovale, Marco Pozzi, Stefania Antoniazzi, Valentina Perrone, Dionigi Salvati, Marta Gentili, Tatiana Brusadelli, Emilio Clementi, Sonia Radice

Study Type: Review

Additional Links
Diseases: Autoimmune Diseases : CK(6629) : AC(1128)

Anti Therapeutic Actions: Vaccination: HPV (Gardisil) : CK(150) : AC(22)
This study supports an association between increasing exposure from thimerosal containing childhood vaccines and the subsequent risk of specific delays in development among males and females.


**Article Published Date**: Sep 30, 2014

**Authors**: David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Neurodevelopmental Disorders : CK(217) : AC(33)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(429) : AC(54)

**Problem Substances**: Thimerosal : CK(757) : AC(85)

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**Vaccination may be contributing to autoimmune disease.**

**Pubmed Data**: J Autoimmun. 2000 Feb;14(1):1-10. PMID: 10648110

**Article Published Date**: Feb 01, 2000

**Authors**: Y Shoenfeld, A Aron-Maor

**Study Type**: Commentary

**Diseases**: Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

**Pubmed Data**: Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633

**Article Published Date**: Feb 01, 2010

**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

**Study Type**: Commentary


Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease.


**Article Published Date**: Jun 01, 2001

**Authors**: D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami

**Study Type**: Commentary

**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Multiple Sclerosis: CK(964) : AC(184)
- **Additional Keywords**: Diseases that are Linked: CK(2335) : AC(304)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Varicella (Chicken pox): CK(177) : AC(22)

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**Autoimmune inflammatory polyneuropathy (PN) (AC 1) (CK 10)**

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).


**Article Published Date**: Sep 01, 2002

**Authors**: Claude Vital, Anne Vital, Georges Gbikpi-Benissan, Maïté Longy-Boursier, Marie-Thérèse Climas, Yves Castaing, Marie-Hélène Canron, Michel Le Bras, Klaus Petry

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Acute Autoimmune Neuropathy: CK(20) : AC(2), Autoimmune inflammatory polyneuropathy (PN): CK(10) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)
Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) (AC 3) (CK 21)

This review concludes that chronic adjuvant stimulation may lead to lymphoma.

Pubmed Data: Immunol Res. 2015 Feb;61(1-2):79-89. PMID: 25582758
Article Published Date: Jan 31, 2015
Authors: Dana Butnaru, Yehuda Shoenfeld
Study Type: Review
Additional Links
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Inflammation : CK(3240) : AC(882), Lymphoma : CK(253) : AC(83)
Additional Keywords: Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)
Problem Substances: Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data: Immunol Res. 2014 Dec;60(2-3):376-83. PMID: 25427994
Article Published Date: Nov 30, 2014
Authors: Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld
Study Type: Human Study
Additional Links
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Chronic Fatigue Syndrome : CK(275) : AC(40), Fibromyalgia : CK(619) : AC(67)
Additional Keywords: Autoantibodies : CK(30) : AC(3), Increased Risk : CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: Hepatitis B : CK(429) : AC(54)

This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human
papillomavirus vaccination (HPV).

Article Published Date: May 10, 2015
Authors: Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga
Study Type: Human Study
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA): CK(31): AC(4)
Additional Keywords: Risk Factors: CK(3057): AC(392)
Anti Therapeutic Actions: Vaccination: HPV (Gardisil): CK(150): AC(22)
Problem Substances: Vaccine Adjuvants: CK(594): AC(118)
Adverse Pharmacological Actions: Immunotoxic: CK(294): AC(52), Inflammatory: CK(244): AC(66)

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Bell's Palsy (AC 1) (CK 3)

Bell's palsy is a possible complication of hepatitis B vaccination in children.

Article Published Date: Oct 01, 2009
Authors: Handan Alp, Hüseyin Tan, Zerrin Orbak
Study Type: Human: Case Report
Diseases: Bell's Palsy: CK(13): AC(3)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

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Birth Defects (AC 2) (CK 20)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester
Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002."

Brain Inflammation (AC 2) (CK 3)
Gardasil via its Al adjuvant and HPV antigens has the ability to trigger neuroinflammation and autoimmune reactions.

Article Published Date: Jul 15, 2016
Authors: Rotem Inbar, Ronen Weiss, Lucija Tomljenovic, Maria-Teresa Arango, Yael Deri, Christopher A Shaw, Joab Chapman, Miri Blank, Yehuda Shoenfeld
Study Type: Animal Study

Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Brain Inflammation: CK(274) : AC(145)
Anti Therapeutic Actions: Vaccination: HPV (Gardisil): CK(150) : AC(22)

Breast Augmentation Complications (AC 1) (CK 10)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Article Published Date: Oct 01, 2008
Authors: Agmon-Levin Nancy, Yehuda Shoenfeld
Study Type: Human Study

Additional Links
Additional Keywords: Silicone Implants: CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

C-Reactive Protein (AC 2) (CK 20)
CRP level in infants is elevated in the 48 hours following immunization.


**Article Published Date**: Aug 01, 2007

**Authors**: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

**Study Type**: Human Study

**Diseases**: C-Reactive Protein : CK(1852) : AC(174), Premature Birth : CK(424) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Multiple Vaccines : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

**Pubmed Data**: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738

**Article Published Date**: Sep 01, 2010

**Authors**: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

**Study Type**: Human Study

**Diseases**: C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916), Diabetes Mellitus: Type 2 : CK(3572) : AC(624), Influenza A : CK(387) : AC(101), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Pharmacological Actions**: Interleukin-6 upregulation : CK(26) : AC(7)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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**CRP (AC 1) (CK 10)**

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as
Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.

Pubmed Data: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738
Article Published Date: Sep 01, 2010
Authors: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea
Study Type: Human Study
Additional Links
Pharmacological Actions: Interleukin-6 upregulation: CK(26): AC(7)
Cataract (AC 1) (CK 10)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.

Article Published Date: Jan 01, 1975
Authors: V Boniuk
Study Type: Human Study

Additional Links

Cervical Cancer (AC 1) (CK 10)

The risk of miscarriage increases following HPV vaccination.

Article Published Date: Jan 01, 2010
Authors: Sholom Wacholder, Bingshu Eric Chen, Allen Wilcox, George Macones, Paula Gonzalez, Brian Befano, Allan Hildesheim, Ana Cecilia Rodríguez, Diane Solomon, Rolando Herrero, Mark Schiffman,
Study Type: Human Study

Additional Links
Diseases: Cervical Cancer: CK(345): AC(144)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: HPV (Gardisil): CK(150): AC(22)
Chickenpox (AC 12) (CK 113)

A chickenpox outbreak occurred in a school in which 97% of students without a prior history of chickenpox were vaccinated.

Article Published Date: Feb 29, 2004
Authors: Barna D Tugwell, Lore E Lee, Hilary Gillette, Eileen M Lorber, Katrina Hedberg, Paul R Cieslak
Study Type: Human: Case Report
Additional Links
Diseases: Chickenpox : CK(113) : AC(12)
Additional Keywords: Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.

Article Published Date: Aug 01, 2003
Authors: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,
Study Type: Human Study
Additional Links
Diseases: Asthma : CK(1157) : AC(190), Chickenpox : CK(113) : AC(12), Corticosteroid-Induced Toxicity : CK(77) : AC(16)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Approximately 1 in every 5 children who receives 1 dose of varicella vaccine may develop varicella disease, also known as breakthrough disease, if exposed to varicella-zoster virus.

Pubmed Data: J Infect Dis. 2008 Mar 1;197 Suppl 2:S127-31. PMID: 18419385
Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Loss of vaccine-induced immunity to varicella over time.

Varicella vaccination in South Korea, despite high compliance rates (via mandatory vaccination), has not eradicated the disease.
Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome.


**Authors**: Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer

**Diseases**: Chickenpox : CK(113) : AC(12), Viremia : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.


**Authors**: Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause

**Diseases**: Chickenpox : CK(113) : AC(12), Herpes Zoster : CK(473) : AC(36)

**Pharmacological Actions**: Antiviral Agents : CK(938) : AC(433)

**Additional Keywords**: Acyclovir-Resistance : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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Varicella vaccine has been reported to viral meningitis in an immunocompetent child.


**Article Published Date**: Jun 01, 2009
Varicella vaccine may be associated with aplastic anemia in children.


**Article Published Date** : Aug 01, 2009

**Authors** : Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples, Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes

**Study Type** : Human Study

**Diseases** : Anemia: Aplastic : CK(30) : AC(3), Chickenpox : CK(113) : AC(12)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chickenpox) : CK(177) : AC(22)

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Varicella vaccine virus can be contagious and infect others - Article 2.


**Article Published Date** : Oct 01, 1997

**Authors** : P LaRussa, S Steinberg, F Meurice, A Gershon

**Study Type** : Human Study

**Diseases** : Chickenpox : CK(113) : AC(12)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chickenpox) : CK(177) : AC(22)

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Varicella vaccine virus can be contagious and infect others.

**Pubmed Data** : Homeopathy. 2009 Apr;98(2):77-82. PMID: 9255208

**Article Published Date** : Apr 01, 2009

**Authors** : M B Salzman, R G Sharrar, S Steinberg, P LaRussa

**Study Type** : Human Study

**Additional Links**
Child Mortality (AC 5) (CK 32)

Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau.

Article Published Date: Dec 06, 2013
Authors: Ane Baerent Fisker, Henrik Ravn, Amabela Rodrigues, Marie Drivsholm Ostergaard, Carlito Bale, Christine Stabell Benn, Peter Aaby
Study Type: Human Study
Additional Links
Diseases: Child Mortality: CK(74) : AC(9)
Additional Keywords: Vaccine: CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Evidence exists demonstrating that diptheria-tetanus-pertussis (DTP) vaccines increase mortality in children.

Article Published Date: Jan 01, 2007
Authors: Peter Aaby, Christine Stabell Benn, Jens Nielsen, Ida Maria Lisse, Amabela Rodrigues, Henrik Jensen
Study Type: Human Study
Additional Links
Diseases: Child Mortality: CK(74) : AC(9), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

High-titer measles vaccination before 9 months of age has been linked to increased female mortality.

Measles vaccination in developing countries has resulted in higher infant mortality rates.

Pubmed Data: BMJ. 1993 Nov 20;307(6915):1294-5. PMID: 8257878

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

**BCG revaccination may raise mortality in young children.**

**Pubmed Data** : BMJ. 2010;340:c671. Epub 2010 Mar 15. PMID: 20231251

**Authors** : Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby

**Study Type** : Human Study

**Additional Links**

**Diseases** : Childhood Infections : CK(275) : AC(29), Tuberculosis : CK(312) : AC(54)

**Anti Therapeutic Actions** : Vaccination: BCG (Tuberculosis) : CK(33) : AC(4)

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**Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.**


**Authors** : Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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**Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.**


**Authors** : Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

**Study Type** : Human Study

**Additional Links**

**Diseases** : Childhood Infections : CK(275) : AC(29), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)
There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.


**Article Published Date**: Nov 01, 2008

**Authors**: Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

**Study Type**: Human Study

**Additional Links**

**Diseases**: Childhood Infections : CK(275) : AC(29), Empyema : CK(10) : AC(1), Parapneumonic Empyema : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal : CK(71) : AC(8)

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**Cholera (AC 1) (CK 10)**

killed cholera vaccination generates an inferior immune response in comparison to patients with naturally acquired cholera.


**Article Published Date**: May 01, 2011

**Authors**: Mohammad Murshid Alam, M Asrafuzzaman Riyadh, Kaniz Fatema, Mohammad Arif Rahman, Nayeema Akhtar, Tanvir Ahmed, Mohiul Islam Chowdhury, Fahima Chowdhury, Stephen B Calderwood, Jason B Harris, Edward T Ryan, Firdausi Qadri

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cholera : CK(66) : AC(24)

**Additional Keywords**: Natural Vs. Synthetic Immunity : CK(22) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Cholera : CK(20) : AC(2)

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**Chorioretinitis (AC 1) (CK 3)**
Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.


**Article Published Date**: Mar 01, 1995

**Authors**: A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE): CK(3) : AC(1), Chorioretinitis : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Chronic Fatigue Syndrome (AC 5) (CK 26)**

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.


**Article Published Date**: Feb 01, 2009

**Authors**: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

**Study Type**: Commentary

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Chronic Fatigue Syndrome : CK(275) : AC(40), Myopathy: Inflammatory : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.**


**Article Published Date**: Oct 01, 2008
The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.
and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data: Immunol Res. 2014 Dec;60(2-3):376-83. PMID: 25427994
Article Published Date: Nov 30, 2014
Authors: Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld
Study Type: Human Study

Circadian Dysregulation (AC 1) (CK 10)

Typhoid vaccination produced significant impairments in several measures of sleep continuity.

Article Published Date: Aug 08, 2016
Authors: Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen
Study Type: Human Study

Cognitive Decline/Dysfunction (AC 1) (CK 10)

Long-term persistence of vaccine-derived aluminum
hydroxide within the body assessed by MMF is associated with cognitive dysfunction.


**Article Published Date**: Oct 31, 2009

**Authors**: Maryline Couette, Marie-Françoise Boisse, Patrick Maison, Pierre Brugieres, Pierre Cesaro, Xavier Chevalier, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cognitive Decline/Dysfunction: CK(1163) : AC(215), Macrophagic myofasciitis: CK(36) : AC(7)

**Additional Keywords**: Increased Risk: CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437)

**Problem Substances**: Aluminum Hydroxide: CK(79) : AC(18)

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**Cold and Flu: Infants & Children (AC 1) (CK 20)**

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.


**Article Published Date**: Sep 01, 2009

**Authors**: Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Cold and Flu: Infants & Children: CK(62) : AC(6), Infection: In Infants & Children: CK(101) : AC(10), Influenza A: CK(387) : AC(101)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)
Corticosteroid-Induced Toxicity (AC 1) (CK 10)

**Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.**

**Pubmed Data**: Pediatrics. 2003 Aug;112(2):e98-103. PMID: 12897314
**Article Published Date**: Aug 01, 2003
**Authors**: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,
**Study Type**: Human Study
**Additional Links**
**Diseases**: Asthma : CK(1157) : AC(190), Chickenpox : CK(113) : AC(12), Corticosteroid-Induced Toxicity : CK(77) : AC(16)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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Crohn's Disease (AC 1) (CK 1)

**It is hypothesized, in the present review, that Al is a potential factor for induction or maintaining the inflammation in Crohn's disease.**

**Article Published Date**: May 31, 2007
**Authors**: Aaron Lerner
**Study Type**: Review
**Additional Links**
**Diseases**: Crohn's Disease : CK(153) : AC(30)
**Additional Keywords**: Genomic Variation : CK(143) : AC(18), Risk Factors : CK(3057) : AC(392)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
**Problem Substances**: Aluminum : CK(274) : AC(78)
Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.


**Article Published Date**: Nov 01, 2011

**Authors**: Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cystic Fibrosis : CK(547) : AC(83), Influenza : CK(789) : AC(123)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Adverse Pharmacological Actions**: Immunosuppressive : CK(168) : AC(31)

There is currently no evidence from randomised studies that influenza vaccine given to people with CF is of benefit to them.


**Article Published Date**: Oct 07, 2009

**Authors**: Poonam Dharmaraj, Rosalind L Smyth

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Cystic Fibrosis : CK(547) : AC(83)

**Additional Keywords**: Vaccine Research : CK(20) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)
### A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.


**Article Published Date**: Sep 28, 2014

**Authors**: Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

**Study Type**: Human: Case Report

**Additional Links**
- **Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR): CK(276): AC(37)

### Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.


**Article Published Date**: Dec 01, 2008

**Authors**: William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

**Study Type**: Commentary

**Additional Links**
- **Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437)

### Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

**Pubmed Data**: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: [11536329](https://pubmed.ncbi.nlm.nih.gov/11536329/)

**Article Published Date**: Sep 01, 2001
HPV vaccination has been linked to demyelination.

Article Published Date : Mar 01, 2010
Authors : Francis J DiMario, Mirna Hajjar, Thomas Ciesielski
Study Type : Human Study
Additional Links
Diseases : Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis.

Article Published Date : Jan 01, 2006
Authors : Yannick Comenge, Marc Girard
Study Type : Commentary
Additional Links
Diseases : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.

Article Published Date : May 01, 2002
Authors : Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu
Study Type : Human Study
Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.

Article Published Date : Sep 01, 2005
Authors : Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani
Study Type : Human Study

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data : Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133
Article Published Date : Sep 14, 2004
Authors : Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick
Study Type : Human Study

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

Article Published Date : Jan 01, 2009
Authors : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett
The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.


Article Published Date: Jan 01, 2008

Authors: Burton A Waisbren

Study Type: Commentary

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).


Article Published Date: Nov 30, 2014

Authors: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type: Human Study
**Depressive Disorder (AC 1) (CK 10)**

Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.


**Article Published Date**: Aug 31, 2009

**Authors**: Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

**Study Type**: Human Study

**Additional Links**

**Diseases**: Depressive Disorder : CK(426) : AC(60), Inflammation : CK(3240) : AC(882), Mood Disorders : CK(156) : AC(19)

**Additional Keywords**: Cytokines : CK(33) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Dermatomyositis (AC 3) (CK 7)**

Hepatitis B vaccine associated with dermatomyositis has been reported.


**Article Published Date**: Apr 01, 2008

**Authors**: Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Dermatomyositis : CK(47) : AC(10), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.
This describes four cases of auto-immune reactions after tetanus vaccination.

This study provides new evidence to confirm a significant relationship between exposure to thimerosal and increased diagnosis for delays in development.
DiGeorge Syndrome (AC 1) (CK 3)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.


Authors : Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

Study Type : Human: Case Report

Diabetes Mellitus: Type 1 (AC 4) (CK 17)

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.


Article Published Date : Jul 22, 2011
Distinct rises in the incidence of T1DM occurred 2-4 years following the introduction of the MMR and pertussis vaccines.

Pubmed Data: J Pediatr Endocrinol Metab. 2003 Apr-May;16(4):495-508. PMID: 12793601

Exposure to HiB immunization is associated with an increased risk of insulin dependent diabetes.


This describes four cases of auto-immune reactions after tetanus vaccination.

Diabetes Mellitus: Type 2 (AC 1) (CK 10)

**Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.**

**Pubmed Data** : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: [20964738](https://doi.org/10.1093/iumj/60.2.410)

**Article Published Date** : Sep 01, 2010

**Authors** : Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

**Study Type** : Human Study

**Additional Links**

**Diseases** : C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916), Diabetes Mellitus: Type 2 : CK(3572) : AC(624), Influenza A : CK(387) : AC(101), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Pharmacological Actions** : Interleukin-6 upregulation : CK(26) : AC(7)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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Diarrhea (AC 1) (CK 10)

**Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and**
measles.


**Article Published Date**: Jun 30, 2004

**Authors**: Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

**Study Type**: Human Study

**Diseases**: Diarrhea : CK(612) : AC(83), Malaria : CK(145) : AC(58), Measles : CK(291) : AC(33), Pneumonia : CK(409) : AC(55)

**Additional Keywords**: Undernourishment And Susceptibility To Infectious Disease : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Dravet syndrome (AC 1) (CK 10)**

**Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.**

**Pubmed Data**: Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: [20447868](https://pubmed.ncbi.nlm.nih.gov/20447868/)

**Article Published Date**: Nov 01, 2002

**Authors**: Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic

**Study Type**: Human Study

**Additional Links**

**Diseases**: Dravet syndrome : CK(40) : AC(4), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Pertussis : CK(148) : AC(25)

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**Dysautonomia (AC 1) (CK 3)**

**Severe somatoform and dysautonomic syndromes after**
HPV vaccination: case series and review of literature.

Article Published Date: Aug 08, 2016
Authors: Beniamino Palmieri, Dimitri Poddighe, Maria Vadalà, Carmen Laurino, Carla Carnovale, Emilio Clementi
Study Type: Human: Case Report
Additional Links
Diseases: Dysautonomia: CK(3): AC(1)
Anti Therapeutic Actions: Vaccination: HPV (Gardisil): CK(150): AC(22)

Ear Infection (AC 3) (CK 21)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Article Published Date: Jan 01, 2001
Authors: M A Fisher, S A Eklund, S A James, X Lin
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections.

Pubmed Data: Lancet. 2003 Jun 28;361(9376):2189-95. PMID: 12842372
Article Published Date: Jun 28, 2003
Authors: Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed Ijzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Ger Rijkers, Anne Schilder, Elisabeth Sanders
Study Type: Human Study
Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations.


Article Published Date: Jan 01, 2002

Authors: M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damoiseaux, G A Zielhuis

Study Type: Review

Additional Links

Diseases: Ear Infection : CK(306) : AC(42), Pneumococcal Infections : CK(52) : AC(12)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)

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Elderly: Age Specific Diseases (AC 2) (CK 40)

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.


Article Published Date: Jan 01, 2010

Authors: Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type: Meta Analysis

Additional Links

Diseases: Elderly: Age Specific Diseases : CK(442) : AC(38), Influenza : CK(789) : AC(123), Pneumonia : CK(409) : AC(55)

Anti Therapeutic Actions: Vaccination: Influenza : CK(435) : AC(50)

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There is a lack of evidence for the effectiveness of
influenza vaccines in adults aged 65 years or older.


**Article Published Date**: Oct 25, 2011

**Authors**: Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belonia

**Study Type**: Meta Analysis

**Additional Links**

- **Diseases**: Elderly: Age Specific Diseases: CK(442) : AC(38), Influenza : CK(789) : AC(123)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

---

**Elevated CRP (AC 2) (CK 20)**

C-reactive protein (CRP) elevation occur in infants without sepsis after hepatitis B vaccination.


**Article Published Date**: Jan 28, 2013

**Authors**: Istemi Han Celik, Gamze Demirel, Fuat Emre Canpolat, Omer Erdeve, Ugur Dilmen

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Elevated CRP : CK(82) : AC(9)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as preterm birth.

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date**: Sep 20, 2011

**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type**: Human Study

**Additional Links**

### Empyema (AC 1) (CK 10)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.

**Pubmed Data**: Pediatr Infect Dis J. 2008 Nov;27(11):1030-2. PMID: [18845981](https://doi.org/10.1097/INF.0b013e318186192d)

**Authors**: Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

**Study Type**: Human Study

**Additional Links**

**Diseases**: Childhood Infections : CK(275) : AC(29), Empyema : CK(10) : AC(1), Parapneumonic Empyema : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

### Encephalitis (AC 3) (CK 23)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

**Pubmed Data**: Vaccine. 2014 Sep 29 ;32(43):5552-4. Epub 2014 Aug 30. PMID: [25171844](https://doi.org/10.1016/j.vaccine.2014.08.006)

**Authors**: Mariella Valenzise, Antonio Cascio, Małgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1),
Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.

Pubmed Data: Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: 20447868
Article Published Date: Nov 01, 2002
Authors: Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic
Study Type: Human Study
Additional Links

Varicella-zoster vaccine has been linked to herpes zoster opthalmicus and encephalitis as possible, though rare side effects.

Article Published Date: Apr 01, 2010
Authors: Giorgos Chouliaras, Vana Spoulou, Mark Quinlivan, Judith Breuer, Maria Theodoridou
Study Type: Human Study
Additional Links
Diseases: Encephalitis: CK(31): AC(8), Herpes: Ocular: CK(12): AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Varicella (Chicken pox): CK(177): AC(22)
among a limited number of vaccinees, have reduced neutralizing capacity against circulating GI virus.


**Article Published Date** : Aug 31, 2012

**Authors** : Yi-Chin Fan, Jo-Mei Chen, Hsien-Chung Chiu, Yi-Ying Chen, Jen-Wei Lin, Chen-Chang Shih, Chih-Ming Chen, Chao-Chin Chang, Gwong-Jen J Chang, Shyan-Song Chiou

**Study Type** : Human Study

**Additional Links**

**Diseases** : Encephalitis: Japanese : CK(17) : AC(8)

**Additional Keywords** : Mouse Brain-derived Vaccines : CK(10) : AC(1), Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions** : Vaccination: Japanese Encephalitis Virus Vaccine : CK(10) : AC(1)

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**Encephalomyelitis (AC 1) (CK 1)**

**Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.**


**Article Published Date** : Dec 01, 2008

**Authors** : William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

**Study Type** : Commentary

**Additional Links**

**Diseases** : Demyelinating Diseases : CK(1671) : AC(332), Encephalomyelitis : CK(24) : AC(15), Neuromyelitis Optica : CK(22) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437)

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**Encephalopathies (AC 1) (CK 1)**

The use of post-mortem tissues in the production of biologicals, vaccines and feedstuffs may be contributing
to transmissible encephalopathies.

**Article Published Date** : Jan 01, 1996
**Authors** : M M Robinson

**Additional Links**
**Diseases** : Encephalopathies : CK(14) : AC(6)
**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437)

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**Encephalopathy: Acute Necrotizing (AC 2) (CK 20)**

**Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported.**

**Article Published Date** : Jul 01, 2010
**Authors** : Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere

**Study Type** : Human Study

**Additional Links**
**Diseases** : Encephalopathy: Acute Necrotizing : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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**Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occured in metabolically vulnerable children.**

**Article Published Date** : Apr 01, 2007
**Authors** : Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty

**Study Type** : Human Study
**Endogenous avian retrovirus (EAV-0) (AC 1) (CK 1)**

*Live attenuated virus Vaccines produced on chicken-derived cells contain low levels of particle-associated reverse transcriptase (RT).*


**Article Published Date**: Mar 31, 1997

**Authors**: R N Weissmahr, J Schüpbach, J Böni

**Study Type**: Review

**Additional Links**

**Diseases**: Endogenous avian retrovirus (EAV-0) : CK(1) : AC(1) , Retroviruses : CK(7) : AC(1)

**Additional Keywords**: Cross-Species Infection : CK(4) : AC(3) , Endogenous Retroviruses : CK(53) : AC(20) , Live Attenuated Vaccines : CK(5) : AC(2) , Retroviruses : CK(11) : AC(11)

**Anti Therapeutic Actions**: Vaccination: Measles : CK(252) : AC(31)

**Problem Substances**: Endogenous avian retrovirus (EAV-0) : CK(3) : AC(1)

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**Epilepsy (AC 1) (CK 3)**

*A case of lethal status epilepticus and lymphocytic pneumonitis has been reported.*


**Article Published Date**: Jul 01, 2008

**Authors**: Jozélio Freire de Carvalho, Yehuda Shoenfeld
Epstein-Barr Virus Infections (AC 1) (CK 1)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.

Article Published Date: Jan 01, 2008
Authors: Burton A Waisbren
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Erythema (AC 2) (CK 20)

Erythema multiforme has been reported as a possible side effect of vaccination for human papillomavirus.

Article Published Date: Jan 01, 2010
Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant.

Pubmed Data: Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: 18583795

Excitotoxicity (AC 1) (CK 1)

Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.

Eye Diseases (AC 1) (CK 1)

Adverse ocular effects of vaccination have been reported.

Pubmed Data: Ophthalmologe. 2016 Jul;113(7):615-22. PMID: 27357302
Article Published Date: Jun 30, 2016
Authors: T Ness, H Hengel
Study Type: Commentary
Additional Links:
Diseases: Eye Diseases: CK(896) : AC(170), Uveitis: CK(79) : AC(15)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Febrile Seizures (AC 1) (CK 10)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately.

Article Published Date: Jul 23, 2009
Authors: Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier
Study Type: Human Study
Additional Links:
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Fever (AC 1) (CK 10)
Breastfeeding is associated with a decreased incidence of fever after immunizations.

Article Published Date: Jun 01, 2010
Authors: Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo
Study Type: Human Study
Additional Links
Substances: Breast Milk: CK(438) : AC(50)
Diseases: Fever: CK(90) : AC(17), Vaccine-induced Toxicity: CK(1325) : AC(194)
Therapeutic Actions: Breastfeeding: CK(803) : AC(85)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Fibromyalgia (AC 1) (CK 10)

This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data: Immunol Res. 2014 Dec ;60(2-3):376-83. PMID: 25427994
Article Published Date: Nov 30, 2014
Authors: Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld
Study Type: Human Study
Additional Links
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA): CK(31) : AC(4), Chronic Fatigue Syndrome: CK(275) : AC(40), Fibromyalgia: CK(619) : AC(67)
Additional Keywords: Autoantibodies: CK(30) : AC(3), Increased Risk: CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(429) : AC(54)

Gastroenteritis (AC 1) (CK 10)
Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.

**Article Published Date** : Apr 01, 2004
**Authors** : Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,
**Study Type** : Human Study
**Additional Links**
**Diseases** : Gastroenteritis : CK(107) : AC(15), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Rotavirus : CK(33) : AC(6)

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Gastrointestinal Diseases (AC 1) (CK 10)

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

**Pubmed Data** : Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: 12397738
**Article Published Date** : Nov 01, 2002
**Authors** : David A Geier, Mark R Geier
**Study Type** : Human Study
**Additional Links**
**Diseases** : Gastrointestinal Diseases : CK(76) : AC(24), Hepatitis : CK(66) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
Glomerulonephritis (AC 2) (CK 13)

A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.

Article Published Date: Jul 01, 2005
Authors: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak
Study Type: Human: Case Report
Additional Links
Diseases: Glomerulonephritis: CK(33) : AC(10), Vasculitis: CK(48) : AC(11)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437) , Vaccination: Influenza: CK(435) : AC(50)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Article Published Date: Feb 01, 2006
Authors: M R Geier, D A Geier
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437) , Vaccination: Hepatitis B: CK(429) : AC(54)

Glyphosate Toxicity (AC 1) (CK 3)

Measles vaccine and glyphosate-induced parkinsonism
Influenza vaccination has been reported to cause Miller Fisher syndrome.


**Article Published Date** : Oct 01, 2011

**Authors** : Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Guillain Barre Syndrome: Miller Fisher Variant : CK(13) : AC(2) , Miller Fisher Syndrome : CK(3) : AC(1)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)

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Influenza vaccination may increase the risk of Guillain-Barré Syndrome.


**Article Published Date** : Dec 01, 2008

**Authors** : C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

**Study Type** : Human Study
Guillain-Barre Syndrome (AC 12) (CK 79)

"Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010."

Article Published Date: Sep 14, 2013
Authors: Laura L Polakowski, Sukhminder K Sandhu, David B Martin, Robert Ball, Thomas E Macurdy, Riley L Franks, Jonathan M Gibbs, Garner F Kropp, Armen Avagyan, Jeffrey A Kelman, Christopher M Worrall, Guoying Sun, Rebecca E Kliman, Dale R Burwen
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(110) : AC(18), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Influenza : CK(435) : AC(50)

"Risk of Guillain-Barré syndrome after 2010-2011 influenza vaccination."

Article Published Date: Apr 30, 2013
Authors: Francesca Galeotti, Marco Massari, Roberto D'Alessandro, Ettore Beghi, Adriano Chiò, Giancarlo Logroscino, Graziella Filippini, Maria Donata Benedetti, Maura Pugliatti, Carmela Santuccio, Roberto Raschetti,
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(110) : AC(18), H1N1 Infection : CK(583) : AC(113)
Anti Therapeutic Actions: Vaccination: Influenza : CK(435) : AC(50)
Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.


**Article Published Date**: Jul 01, 2010

**Authors**: Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Childhood Infections: CK(275) : AC(29), Guillain-Barre Syndrome: CK(110) : AC(18), Influenza: CK(789) : AC(123), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

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Guillain-Barré syndrome following hepatitis B vaccination has been reported.

**Pubmed Data**: Clin Exp Rheumatol. 2004 Nov-Dec;22(6):767-70. PMID: 15638054

**Article Published Date**: Nov 01, 2004

**Authors**: M Khamaisi, Y Shoenfeld, H Orbach

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Guillain-Barre Syndrome: CK(110) : AC(18)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

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Hepatitis B vaccination is associated with a wide range of autoimmune diseases.


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)
In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.

**Pubmed Data**: J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: 19730016

**Article Published Date**: Sep 01, 2009

**Authors**: Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Guillain-Barre Syndrome : CK(110) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Influenza : CK(435) : AC(50)

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Neurological adverse events associated with vaccination.


**Article Published Date**: May 31, 2002

**Authors**: Sucheep Piyasirisilp, Thiravat Hemachudha

**Study Type**: Review

**Additional Links**

- **Diseases**: Autism : CK(617) : AC(73), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)
- **Additional Keywords**: Adverse Events : CK(35) : AC(5), Vaccine Contaminants : CK(11) : AC(2)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
- **Problem Substances**: Aluminum : CK(274) : AC(78), Thimerosal : CK(757) : AC(85)

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Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

**Pubmed Data**: J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: 18522505

**Article Published Date**: Jul 15, 2008

**Authors**: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Acute Autoimmune Neuropathy : CK(20) : AC(2), Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)
- **Additional Keywords**: Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Article Published Date: May 25, 1994
Authors: K R Stratton, C J Howe, R B Johnston
Study Type: Review

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009.

Pubmed Data: Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: 20869467
Article Published Date: Sep 23, 2010
Authors: Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi
Study Type: Human Study

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary

Additional Links

Diseases: Guillain-Barre Syndrome : CK(110) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)

Diseases: Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Human Papillomavirus (HPV) : CK(212) : AC(35), Inflammatory Myopathy : CK(31) : AC(4), Macrophagic myofasciitis : CK(36) : AC(7), Multiple Sclerosis : CK(964) : AC(184), Rheumatoid
Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.


**Article Published Date**: Feb 01, 2000

**Authors**: P B Asa, Y Cao, R F Garry

**Study Type**: Human Study

**Additional Links**

**Diseases**: Gulf War Syndrome : CK(43) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(47) : AC(9)

The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome.


**Article Published Date**: Feb 01, 2011

**Authors**: Pamela B Asa, Russell B Wilson, Robert F Garry

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax : CK(47) : AC(9), Gulf War Syndrome : CK(43) : AC(6)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)
"Risk of Guillain-Barré syndrome after 2010-2011 influenza vaccination."


**Article Published Date**: Apr 30, 2013

**Authors**: Francesca Galeotti, Marco Massari, Roberto D'Alessandro, Ettore Beghi, Adriano Chiò, Giancarlo Logroscino, Graziella Filippini, Maria Donata Benedetti, Maura Pugliatti, Carmela Santuccio, Roberto Raschetti,

**Study Type**: Human Study

**Additional Links**

**Diseases**: Guillain-Barre Syndrome : CK(110) : AC(18), H1N1 Infection : CK(583) : AC(113)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

Prior receipt of seasonal flu vaccine (2008-09) was associated with increased risk of medically attended pandemic H1N1 illness (2008-09).


**Article Published Date**: Jan 01, 2010

**Authors**: Danuta M Skowronski, Gaston De Serres, Natasha S Crowcroft, Naveed Z Janjua, Nicole Boulianne, Travis S Hottes, Laura C Rosella, James A Dickinson, Rodica Gilca, Pam Sethi, Najwa Ouhoummane, Donald J Willison, Isabelle Rouleau, Martin Petric, Kevin Fonseca, Steven J Drews, Anuradha Rebbarapragada, Hugues Charest, Marie-Eve Hamelin, Guy Boivin, Jennifer L Gardy, Yan Li, Trijntje L Kwindt, David M Patrick, Robert C Brunham,

**Study Type**: Human Study

**Additional Links**

**Diseases**: H1N1 Infection : CK(583) : AC(113)

**Additional Keywords**: Immunosuppressive Flu Vaccines : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Seasonal influenza vaccine (2008-2009) is associated with
an increased risk of influenza-like illness from pandemic H1N1 infection.

Pubmed Data : Clin Infect Dis. 2010 Nov 1;51(9):1017-1027. PMID: 20887210
Article Published Date : Nov 01, 2010
Authors : Naveed Z Janjua, Danuta M Skowronski, Travis S Hottes, William Osei, Evan Adams, Martin Petric, Suzana Sabaiduc, Tracy Chan, Annie Mak, Marcus Lem, Patrick Tang, David M Patrick, Gaston De Serres, David Bowering
Study Type : Human Study

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).

Article Published Date : Oct 23, 2009
Authors : Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr
Study Type : Commentary

Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

Pubmed Data : Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: 15710788
Article Published Date : Feb 14, 2005
Authors : Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller
Study Type : Human Study

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

Article Published Date : Jan 01, 2009
Authors : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett
Study Type : Human Study
Additional Links
Diseases : Demyelinating Diseases : CK(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)
Additional Keywords : HPV Vaccine : CK(10) : AC(1)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)

The way that the effectiveness of HPV vaccines are framed influences whether or not respondents believe they are effective and their acceptance level of vaccine mandate policies.

Pubmed Data : Patient Educ Couns. 2010 Sep 17. Epub 2010 Sep 17. PMID: 20851560
Article Published Date : Sep 17, 2010
Authors : Cabral A Bigman, Joseph N Cappella, Robert C Hornik
Study Type : Human Study
Additional Links
Diseases : HPV : CK(31) : AC(4)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)
A Haemophilus b polysaccharide vaccine resulted in minus 58 percent efficacy in children in Minnesota in August 1985.

Pubmed Data: JAMA. 1988 Sep;260(10):1423-8. PMID: 3261350
Article Published Date: Sep 09, 1988
Authors: M T Osterholm, J H Rambeck, K E White, J L Jacobs, L M Pierson, J D Neaton, C W Hedberg, K L MacDonald, D M Granoff

Hearing Loss: Sudden (AC 1) (CK 20)

38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).

Article Published Date: Oct 01, 1997
Authors: M M Braun, S S Ellenberg
Study Type: Meta Analysis

Hemolytic Anemia (AC 2) (CK 23)
Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.


**Article Published Date**: Jan 01, 2011

**Authors**: Sabrina Montagnani, Marco Tuccori, Giuseppe Lombardo, Arianna Testi, Stefania Mantarro, Elisa Ruggiero, Corrado Blandizzi

**Study Type**: Human: Case Report

**Additional Links**
- **Diseases**: Hemolytic Anemia : CK(34) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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Vaccination is associated with an increased risk for hemolytic anemia.


**Article Published Date**: Dec 09, 2009

**Authors**: Allison L Naleway, Edward A Belongia, James G Donahue, Burney A Kieke, Jason M Glanz

**Study Type**: Meta Analysis

**Additional Links**
- **Diseases**: Hemolytic Anemia : CK(34) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54)

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Hemophilus influenzae (AC 1) (CK 3)

**Between May 1985 and September 1987, 228 reports of disease due to Haemophilus influenzae in vaccinated children were submitted to the FDA.**


**Article Published Date**: Jul 31, 1988

**Authors**: E E Hiner, C E Frasch

**Study Type**: Human: Case Report

**Additional Links**
- **Diseases**: Hemophilus influenzae : CK(4) : AC(2)
- **Additional Keywords**: Vaccine Failure : CK(255) : AC(32)
**Henoch-Schoenlein Purpura (AC 1) (CK 10)**

The administration of meningitis C vaccination 1 week before the onset of HSP suggests that it can be added to the list of potential triggering agents.


**Article Published Date**: Feb 28, 2001

**Authors**: P A Courtney, R N Patterson, R J Lee

**Study Type**: Human Study

**Additional Links**


**Additional Keywords**: Increased Risk: CK(1600): AC(192)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437)

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**Hepatitis (AC 1) (CK 10)**

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

**Pubmed Data**: Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: [12397738](https://pubmed.ncbi.nlm.nih.gov/12397738/)

**Article Published Date**: Nov 01, 2002

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**
Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.

Article Published Date: Mar 01, 2006
Authors: G Rosner, Y Lurie, L Blendis, Z Halpern, R Oren
Study Type: Human Study

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Article Published Date: Oct 01, 2008
Authors: Agmon-Levin Nancy, Yehuda Shoenfeld
Study Type: Human Study

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple
Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Hepatitis B vaccination with or without hepatitis B immunoglobulin at birth to babies born of HBsAg-positive mothers prevents overt HBV transmission but may not prevent occult HBV infection in babies: a randomized controlled trial.
Hepatitis B vaccinations is associated with autoimmune hazards.

Pubmed Data: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: 15722255
Article Published Date: Feb 01, 2005
Authors: Marc Girard
Study Type: Review
Additional Links
Additional Keywords: Molecular Mimicry: CK(67): AC(15)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data: Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133
Article Published Date: Sep 14, 2004
Authors: Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick
Study Type: Human Study
Additional Links
Additional Keywords: Hepatitis B Vaccine: CK(30): AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

Article Published Date: Aug 01, 2009
Authors: José G Dórea, Rejane C Marques, Katiane G Brandão
Study Type: Meta Analysis
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Newborn primates receiving mercury-containing
hepatitis B vaccines exhibit neurodevelopmental delays.


**Article Published Date**: Jan 01, 2010

**Authors**: Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17), Vaccination: Hepatitis B : CK(429) : AC(54)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

**Pubmed Data**: JAMA. 1994 May 25;271(20):1602-5. PMID: 8182813

**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review

**Additional Links**


The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase.


**Article Published Date**: Jan 01, 2005

**Authors**: E Faure

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.


**Article Published Date**: Jan 01, 2008

**Authors**: Burton A Waisbren

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism : CK(617) : AC(73), Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Epstein-Barr Virus Infections : CK(132) : AC(47), Hepatitis B : CK(241) : AC(46)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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When polled 5% of nonpediatricians would not use Haemophilus influenzae type b vaccine if they had a child born in 2004.


**Article Published Date**: Nov 01, 2005

**Authors**: Klara M Posfay-Barbe, Ulrich Heininger, Christoph Aebi, Daniel Desgrandchamps, Bernard Vaudaux, Claire-Anne Siegrist

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Hepatitis B : CK(241) : AC(46)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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Hepatitis C (AC 1) (CK 10)

Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.
Between 1995 and 2005 25,306 adverse events were reported from varicella vaccine.

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.
Reactivation of Herpes Zoster Keratitis in an Adult After Varicella Zoster Vaccination.

Article Published Date: Nov 25, 2012
Authors: Charles W Hwang, Walter A Steigleman, Erika Saucedo-Sanchez, Sonal S Tuli
Study Type: Human: Case Report

Varicella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.

Article Published Date: Nov 15, 2008
Authors: Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid
Study Type: Human Study

Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.

Article Published Date: Oct 01, 2003
Authors: Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause
Study Type: Human Study
Varicella vaccine has been reported to viral meningitis in an immunocompetent child.

Article Published Date: Jun 01, 2009
Authors: Sujit Iyer, Manoj K Mittal, Richard L Hodinka
Study Type: Human Study
Additional Links
Pharmacological Actions: Antiviral Agents: CK(938): AC(433)
Additional Keywords: Undefined: CK(14): AC(3)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Varicella (Chickenpox): CK(177): AC(22)

Herpes Zoster Keratitis (AC 1) (CK 3)

Reactivation of Herpes Zoster Keratitis in an Adult After Varicella Zoster Vaccination.

Article Published Date: Nov 25, 2012
Authors: Charles W Hwang, Walter A Steigleman, Erika Saucedo-Sanchez, Sonal S Tuli
Study Type: Human: Case Report
Additional Links
Diseases: Herpes Zoster: CK(473): AC(36), Herpes Zoster Keratitis: CK(3): AC(1)
Anti Therapeutic Actions: Vaccination: Varicella Zoster (Shingles): CK(3): AC(1)

Herpes: Ocular (AC 1) (CK 10)

Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare
An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine.

Antibody titers for all HPV strains were significantly higher among those with lower vitamin D levels and among younger participants.
**HPV vaccination does not have a therapeutic effect in young women with pre-existing human papillomavirus infection.**

Pubmed Data : JAMA. 2007 Aug 15;298(7):743-53. PMID: [17699008](https://doi.org/10.1001/jama.298.7.743)

Article Published Date : Aug 15, 2007

**Authors** : Allan Hildesheim, Rolando Herrero, Sholom Wacholder, Ana C Rodriguez, Diane Solomon, M Concepcion Bratti, John T Schiller, Paula Gonzalez, Gary Dubin, Carolina Porras, Silvia E Jimenez, Douglas R Lowy,

**Study Type** : Human Study

**Diseases** : Human Papillomavirus (HPV) : CK(212) : AC(35)

**Anti Therapeutic Actions** : Vaccination: HPV (Gardisil) : CK(150) : AC(22)

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**Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.**


Article Published Date : Jan 01, 2009

**Authors** : I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

**Study Type** : Human Study

**Diseases** : Demyelinating Diseases : CK(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords** : HPV Vaccine : CK(10) : AC(1)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)

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**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

Pubmed Data : Discov Med. 2010 Feb;9(45):90-7. PMID: [20193633](https://doi.org/10.2217/dmm.09.50)

Article Published Date : Feb 01, 2010
**Hydranencephaly (AC 1) (CK 2)**

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.


**Article Published Date**: Mar 01, 2005

**Authors**: M Flanagan, S J Johnson

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

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**Hypersensitivity (AC 2) (CK 21)**

Adjuvants in vaccines may trigger innate cells response by
toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Pubmed Data: Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282

Article Published Date: Aug 01, 2011

Authors: Salvatore Chirumbolo

Study Type: Review

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Problem Substances: Adjuvant: CK(18) : AC(6)

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DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532

Article Published Date: Feb 01, 2000

Authors: E L Hurwitz, H Morgenstern

Study Type: Meta Analysis

Additional Links

Diseases: Allergies: CK(703) : AC(132), Allergies: Childhood: CK(70) : AC(6), Asthma: CK(1157) : AC(190), Hypersensitivity: CK(74) : AC(22), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36), Vaccination: Tetanus: CK(74) : AC(12)

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Hypersensitivity: Immediate (AC 1) (CK 20)

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.

**Iatrogenic Disease (AC 1) (CK 10)**

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.


**Article Published Date**: Mar 01, 2006

**Authors**: G Rosner, Y Lurie, L Blendis, Z Halpern, R Oren

**Study Type**: Human Study

**Additional Links**

**Diseases**: Hepatitis B: CK(241): AC(46), Iatrogenic Disease: CK(62): AC(7)

**Additional Keywords**: Iatrogenic Disease: CK(226): AC(26)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

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**Immune Disorders: B-Cell Over-Activity (AC 1) (CK 1)**

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE
mediated allergy phenomenon or causing B-cell activation and autoimmunity.

**Pubmed Data**: Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282
**Article Published Date**: Aug 01, 2011
**Authors**: Salvatore Chirumbolo
**Study Type**: Review
**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Hypersensitivity: CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity: CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance: CK(171) : AC(45), Vaccine-induced Toxicity: CK(1325) : AC(194)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437)
- **Problem Substances**: Adjuvant: CK(18) : AC(6)

---

**Immune Dysregulation: TH1/TH2 imbalance (AC 3) (CK 21)**

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

**Pubmed Data**: Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282
**Article Published Date**: Aug 01, 2011
**Authors**: Salvatore Chirumbolo
**Study Type**: Review
**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Hypersensitivity: CK(74) : AC(22), Immune Disorders: B-Cell Over-Activity: CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance: CK(171) : AC(45), Vaccine-induced Toxicity: CK(1325) : AC(194)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437)
- **Problem Substances**: Adjuvant: CK(18) : AC(6)

---

The association with DTWp vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects.
Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.

Pubmed Data : Arch Dis Child. 2005 Jun ;90(6):567-73. PMID: [15908618](http://dx.doi.org/10.1136/adc.90.6.567)

**Article Published Date** : May 31, 2005

**Authors** : S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G Cook

**Study Type** : Human Study

**Additional Links**


**Problem Substances** : Adjuvant : CK(18) : AC(6), Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

Incontinentia Pigmenti (AC 1) (CK 3)

Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.


**Article Published Date** : Jan 01, 2010

**Authors** : Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Incontinentia Pigmenti : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437)
Infant Chemical Exposures (AC 1) (CK 20)

**Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.**


**Article Published Date**: Aug 01, 2009

**Authors**: José G Dórea, Rejane C Marques, Katiane G Brandão

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Hepatitis B : CK(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

---

Infant Infections (AC 4) (CK 50)

**Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.**


**Article Published Date**: Apr 01, 2009

**Authors**: Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Infections : CK(410) : AC(44), Pneumococcal Infections : CK(52) : AC(12), Upper Respiratory Infections : CK(950) : AC(114)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)
Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.


**Article Published Date**: Jul 01, 2004

**Authors**: Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Infant Infections : CK(410) : AC(44), Pregnancy: Vaccination : CK(92) : AC(16), Upper Respiratory Infections : CK(950) : AC(114)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

**Pubmed Data**: Pediatr Infect Dis J. 2009 Jun;28(6):455-62. PMID: [19483514](https://doi.org/10.1097/INF.0b013e3181a3c2df)

**Article Published Date**: Jun 01, 2009

**Authors**: Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Infections : CK(410) : AC(44), Respiratory Diseases : CK(260) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal : CK(71) : AC(8)

Whole cell pertussis vaccines may have been causing serious neurological disorders.

**Pubmed Data**: Brain Dev. 2004 Aug;26(5):296-300. PMID: [15165669](https://doi.org/10.1016/S0891-4238(04)90130-4)

**Article Published Date**: Aug 01, 2004

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Infections : CK(410) : AC(44), Infant Neurological Development : CK(58) : AC(9)
38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).

Article Published Date: Oct 01, 1997
Authors: M M Braun, S S Ellenberg
Study Type: Meta Analysis
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines.

Article Published Date: Oct 01, 2005
Authors: Lawrence H Moulton, Lakshmi Rahmathullah, Neal A Halsey, R D Thulasiraj, Joanne Katz, James M Tielsch
Study Type: Human Study
Additional Links
Diseases: Infant Mortality: CK(249) : AC(25), Vaccine-induced Toxicity: CK(1325) : AC(194)

Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is
associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau.


**Article Published Date**: Dec 06, 2013

**Authors**: Ane Bærent Fisker, Henrik Ravn, Amabelia Rodrigues, Marie Drivsholm Ostergaard, Carlito Bale, Christine Stabell Benn, Peter Aaby

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Mortality : CK(249) : AC(25)

**Anti Therapeutic Actions**: Vaccination: Combinations : CK(20) : AC(2)

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DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau.


**Article Published Date**: Jan 25, 2007

**Authors**: Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabelia Rodrigues

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Combinations : CK(20) : AC(2)

---

Diptheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau.

**Pubmed Data**: Int J Epidemiol. 2004 Apr;33(2):374-80. PMID: 15082643

**Article Published Date**: Apr 01, 2004

**Authors**: Peter Aaby, Henrik Jensen, Joaquim Gomes, Manual Fernandes, Ida Maria Lisse

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

---

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.


**Article Published Date**: Jan 01, 1990
Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects.

There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates.
Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.


Infant Neurological Development (AC 2) (CK 20)

Content: Neurotoxic | Cumulative Knowledge: 1251 | Article Count: 224

Pubmed Data: NONE

Study Type: Human Study

Additional Links

Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Infant Neurological Development: CK(58) : AC(9)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Problem Substances: Thimerosal : CK(757) : AC(85)

Adverse Pharmacological Actions: Neurotoxic : CK(1251) : AC(224)
Whole cell pertussis vaccines may have been causing serious neurological disorders.

**Pubmed Data**: Brain Dev. 2004 Aug;26(5):296-300. PMID: [15165669](#)

**Article Published Date**: Aug 01, 2004

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infant Infections: CK(410) : AC(44), Infant Neurological Development: CK(58) : AC(9), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Pertussis: CK(148) : AC(25)

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**Infants: Low Birth Weight (AC 1) (CK 10)**

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.

**Pubmed Data**: JAMA Pediatr. 2015 Jun 1. Epub 2015 Jun 1. PMID: [26030302](#)

**Article Published Date**: May 31, 2015

**Authors**: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infants: Low Birth Weight: CK(144) : AC(15), Infants: Very Low Birth Weight/Low Birth Weight: CK(212) : AC(19), Sepsis: CK(197) : AC(54), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Additional Keywords**: Adverse Reaction: CK(13) : AC(2), Increased Risk: CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437)

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**Infants: Very Low Birth Weight/Low Birth**
**Birth Weight (AC 1) (CK 10)**

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.


**Article Published Date**: May 31, 2015

**Authors**: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infants: Low Birth Weight: CK(144) : AC(15), Infants: Very Low Birth Weight/Low Birth Weight: CK(212) : AC(19), Sepsis: CK(197) : AC(54), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Additional Keywords**: Adverse Reaction: CK(13) : AC(2), Increased Risk: CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437)

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**Infection: In Infants & Children (AC 1) (CK 20)**

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.


**Article Published Date**: Sep 01, 2009

**Authors**: Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Cold and Flu: Infants & Children: CK(62) : AC(6), Infection: In Infants & Children: CK(101) : AC(10), Influenza A: CK(387) : AC(101)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)
There is evidence that a DNA vaccine exhibits anti-fertility properties.


Article Published Date: Jul 12, 2011

Authors: Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng

Study Type: Animal Study

Additional Links


Anti Therapeutic Actions: Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

Tetanus vaccine given to Phillipino women of reproductive age may have been designed to induce an anti-fertility action.

Pubmed Data: Vaccine Wkly. 1995 May 29 - Jun 5:9-10. PMID: [12346214]

Article Published Date: May 29, 1995

Authors: [No authors listed]

Study Type: Commentary

Additional Links

Diseases: Infertility: Female : CK(281) : AC(51)

Additional Keywords: Population Control : CK(1) : AC(1)

Anti Therapeutic Actions: Vaccination: Tetanus : CK(74) : AC(12)
Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.


**Article Published Date**: May 01, 2002

**Authors**: Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Demyelinating Diseases (CK1671): AC(332), Inflammation (CK3240): AC(882), Multiple Sclerosis (CK964): AC(184)
- **Anti Therapeutic Actions**: Vaccination: All (CK5137): AC(437), Vaccination: Hepatitis B (CK429): AC(54)

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This review concludes that chronic adjuvant stimulation may lead to lymphoma.


**Article Published Date**: Jan 31, 2015

**Authors**: Dana Butnaru, Yehuda Shoenfeld

**Study Type**: Review

**Additional Links**
- **Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) (CK31): AC(4), Inflammation (CK3240): AC(882), Lymphoma (CK253): AC(83)
- **Additional Keywords**: Risk Factors (CK3057): AC(392)
- **Anti Therapeutic Actions**: Vaccination: All (CK5137): AC(437)
- **Problem Substances**: Aluminum (CK274): AC(78), Vaccine Adjuvants (CK594): AC(118)

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Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.


**Article Published Date**: Aug 31, 2009

**Authors**: Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Depressive Disorder (CK426): AC(60), Inflammation (CK3240): AC(882), Mood Disorders (CK156): AC(19)
- **Additional Keywords**: Cytokines (CK33): AC(11)
- **Anti Therapeutic Actions**: Vaccination: All (CK5137): AC(437)
Inflammatory Bowel Diseases (AC 1) (CK 10)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.

Article Published Date: Apr 01, 2000
Authors: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield
Study Type: Human Study
Additional Links

Inflammatory Myopathy (AC 1) (CK 1)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary
Additional Links
Influenza (AC 13) (CK 140)

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.


**Article Published Date**: Nov 01, 2011

**Authors**: Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cystic Fibrosis : CK(547) : AC(83), Influenza : CK(789) : AC(123)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Adverse Pharmacological Actions** : Immunosuppressive : CK(168) : AC(31)

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Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.


**Article Published Date**: Jul 01, 2010

**Authors**: Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(110) : AC(18),
H1N1 vaccination has been linked to possible new-onset seizure.

Article Published Date: Jan 01, 2011
Authors: [No authors listed]
Study Type: Human: Case Report
Additional Links
Diseases: Influenza : CK(789) : AC(123), Seizures : CK(190) : AC(55)
Anti Therapeutic Actions: Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination did not reduce the risk of subsequent hospital admission among patients with vaccine failure. These findings do not support the hypothesis that vaccination mitigates influenza illness severity.

Article Published Date: Jan 15, 2014
Authors: Huong Q McLean, Jennifer K Meece, Edward A Belongia
Study Type: Human: Case Report
Additional Links
Diseases: Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)
Additional Keywords: Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.

Article Published Date: Jan 01, 2010
Authors: Roger E Thomas, Tom Jefferson, Toby J Lasserson
Study Type: Meta Analysis
Additional Links
Influenza vaccination may increase the risk of Guillain-Barré Syndrome.

**Pubmed Data**: Kidney Int. 2008 Dec;74(11):1461-7. Epub 2008 Sep 24. PMID: [18592444](https://doi.org/10.1038/sj.ki.5002752)

**Article Published Date**: Dec 01, 2008

**Authors**: C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437)

Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.

**Pubmed Data**: Anticancer Res. 2009 Nov;29(11):4629-32. PMID: [18838647](https://doi.org/10.1016/j.anticancer.2009.07.003)

**Article Published Date**: Nov 01, 2009

**Authors**: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Influenza: CK(435): AC(50)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.

**Pubmed Data**: J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](https://doi.org/10.1086/589947)

**Article Published Date**: Jul 15, 2008

**Authors**: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

**Study Type**: Human Study

**Additional Links**
There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older.


**Article Published Date**: Oct 25, 2011

**Authors**: Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Elderly: Age Specific Diseases: CK(442): AC(38), Influenza: CK(789): AC(123)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Influenza: CK(435): AC(50)

There is no solid evidence available supporting the belief that vaccines are effective in preventing influenza in the elderly.

**Pubmed Data**: Cochrane Database Syst Rev. 2010(2):CD004876. Epub 2010 Feb 17. PMID: [20166072](#)

**Article Published Date**: Jan 01, 2010

**Authors**: Tom Jefferson, Carlo Di Pietrantonj, Lubna A Al-Ansary, Eliana Ferroni, Sarah Thorning, Roger E Thomas

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Influenza: CK(789): AC(123)

**Anti Therapeutic Actions**: Vaccination: Influenza: CK(435): AC(50)

This review finds no reasonable evidence to support the vaccination of healthcare workers to prevent influenza in older people.

**Pubmed Data**: Cochrane Database Syst Rev. 2016 Jun 2 ;6:CD005187. Epub 2016 Jun 2. PMID: [27251461](#)

**Article Published Date**: Jun 01, 2016

**Authors**: Roger E Thomas, Tom Jefferson, Toby J Lasserson

**Study Type**: Review

**Additional Links**
We concluded that there is no credible evidence that vaccination of healthy people under the age of 60, who are healthcare workers caring for the elderly, affects influenza complications in those cared for.


**Article Published Date**: Jan 01, 2006

**Authors**: R E Thomas, T Jefferson, V Demicheli, D Rivetti

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Influenza : CK(789) : AC(123)

**Additional Keywords**: Healthcare Workers Influenza : CK(20) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

**Pubmed Data**: Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: 15710788

**Article Published Date**: Feb 14, 2005

**Authors**: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

**Study Type**: Human Study

**Additional Links**

**Diseases**: H1N1 Infection : CK(583) : AC(113), Influenza : CK(789) : AC(123), Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(182) : AC(40)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Influenza A (AC 6) (CK 71)**

Inactivated flu vaccines have not been proven to be
effective or safe in preventing influenza in healthy children under two.


**Article Published Date**: Sep 01, 2009

**Authors**: Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Cold and Flu: Infants & Children: CK(62) : AC(6), Infection: In Infants & Children: CK(101) : AC(10), Influenza A: CK(387) : AC(101)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

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**Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.**


**Article Published Date**: Sep 01, 2010

**Authors**: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

**Study Type**: Human Study

**Additional Links**

**Diseases**: C-Reactive Protein: CK(1852) : AC(174), Cardiovascular Diseases: CK(7342) : AC(916), Diabetes Mellitus: Type 2: CK(3572) : AC(624), Influenza A: CK(387) : AC(101), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Pharmacological Actions**: Interleukin-6 upregulation: CK(26) : AC(7)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

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**Influenza-related mortality is not prevented with increasing vaccination coverage.**


**Article Published Date**: Oct 30, 2006

**Authors**: Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller

**Study Type**: Human Study

**Additional Links**

**Diseases**: Influenza A: CK(387) : AC(101), Swine Flu Associated Virus: CK(182) : AC(40)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)
There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.


**Article Published Date**: Jan 01, 2010

**Authors**: Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Influenza B : CK(73) : AC(14)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

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Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.


**Article Published Date**: Aug 27, 2013

**Authors**: Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Lower Respiratory Infections : CK(12) : AC(3), Pneumonia : CK(409) : AC(55)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

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Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.


**Article Published Date**: Feb 14, 2005

**Authors**: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

**Study Type**: Human Study

**Additional Links**

**Diseases**: H1N1 Infection : CK(583) : AC(113), Influenza : CK(789) : AC(123), Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(182) : AC(40)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)
Influenza B (AC 1) (CK 20)

There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.

**Pubmed Data**: Cochrane Database Syst Rev. 2010(7):CD001269. Epub 2010 Jul 7. PMID: 20614424

**Article Published Date**: Jan 01, 2010

**Authors**: Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Influenza B : CK(73) : AC(14)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

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Intussusception (AC 3) (CK 30)

Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.

**Pubmed Data**: J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: 19817607

**Article Published Date**: Nov 01, 2009

**Authors**: Margaret M Cortese, Mary Allen Staat, Geoffrey A Weinberg, Kathryn Edwards, Marilyn A Rice, Peter G Szilagyi, Caroline B Hall, Daniel C Payne, Umesh D Parashar

**Study Type**: Human Study

**Additional Links**

**Diseases**: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Rotavirus : CK(33) : AC(6)

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Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.

**Pubmed Data**: Pediatrics. 2004 Apr;113(4):e353-9. PMID: 15060267

**Article Published Date**: Apr 01, 2004
**Rotavirus vaccinations have a history of causing adverse effects such as intussusception.**


**Article Published Date**: Jun 01, 2001

**Authors**: L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

**Study Type**: Human Study

**Additional Links**

**Diseases**: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Rotavirus : CK(33) : AC(6)

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**Joint Diseases (AC 1) (CK 10)**

**Anthrax vaccination contributes to joint related adverse reactions.**


**Article Published Date**: Mar 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Joint Diseases : CK(30) : AC(3)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)
Leukemia Cutis (AC 1) (CK 3)

A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported.

Article Published Date: Oct 01, 2010
Authors: R M Guinovart, J M Carrascosa, C Ferrándiz
Study Type: Human: Case Report

Diseases: Leukemia Cutis: CK(3) : AC(1), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Tetanus: CK(74) : AC(12)

Lichen Planus (AC 1) (CK 3)

This report provides further documentation for a causal association linking the HBV vaccine with lichen planus.

Pubmed Data: Dermatology. 2002 ;205(2):166-8. PMID: 12218234
Article Published Date: Dec 31, 2001
Authors: N G Stavrianeas, A C Katoulis, A Kanelleas, E Hatziolou, S Georgala
Study Type: Human: Case Report

Diseases: Lichen Planus: CK(64) : AC(8)
Additional Keywords: Risk Factors: CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(429) : AC(54)
Problem Substances: Thimerosal: CK(757) : AC(85)

Lipoatrophy (AC 1) (CK 3)

Delayed focal lipoatrophy after AS03-adjuvanted
**Liver Damage (AC 1) (CK 2)**

**Hepatitis B vaccine induces cell death in liver cells and mouse liver.**


**Article Published Date**: Jan 17, 2012

**Authors**: Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao

**Study Type**: Animal Study

**Diseases**: Liver Damage: CK(877): AC(329), Vaccine-induced Toxicity: CK(1325): AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

**Problem Substances**: Aluminum Hydroxide: CK(79): AC(18), Vaccine Adjuvants: CK(594): AC(118)

**Adverse Pharmacological Actions**: Hepatotoxic: CK(320): AC(92)

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**Liver Disease (AC 1) (CK 10)**

**Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.**
Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.

Article Published Date: Aug 27, 2013
Authors: Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding
Study Type: In Vitro Study
Additional Links
Additional Keywords: Increased Risk: CK(1600): AC(192)
Anti Therapeutic Actions: Vaccination: Influenza: CK(435): AC(50)
A 10-year-old child

Article Published Date: Jan 01, 1996
Authors: P Grézard, M Chefai, V Philippot, H Perrot, M Faisant
Study Type: Human: Case Report

Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

Lupus Erythematosus: Systemic (AC 2) (CK 13)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Article Published Date: Jun 01, 2005
Authors: David A Geier, Mark R Geier
Study Type: Human Study

Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

Possible systemic lupus erythematosus following HPV immunization has been reported.

Article Published Date: Jan 01, 2012
Authors: Hf Soldevilla, Sfr Briones, Sv Navarra
Study Type: Human: Case Report

Additional Links
Diseases: Lupus Erythematosus: Systemic: CK(486) : AC(69), Vaccine-induced Toxicity: CK(1325) : AC(194)
Lyme Disease (AC 1) (CK 10)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

Article Published Date: Dec 09, 2009
Authors: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Lymphoma (AC 1) (CK 1)

This review concludes that chronic adjuvant stimulation may lead to lymphoma.

Pubmed Data: Immunol Res. 2015 Feb ;61(1-2):79-89. PMID: 25582758
Article Published Date: Jan 31, 2015
Authors: Dana Butnaru, Yehuda Shoenfeld
Study Type: Review
Additional Links
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Inflammation : CK(3240) : AC(882), Lymphoma : CK(253) : AC(83)
Additional Keywords: Risk Factors : CK(3057) : AC(392)
**Macrophagic myofasciitis (AC 6) (CK 35)**

**Aluminum hydroxide-induced macrophagic myofasciitis (MMF) associated with vaccination has been reported.**


*Article Published Date*: Nov 01, 2011


*Study Type*: Human Study

*Additional Links*

*Diseases*: Macrophagic myofasciitis : CK(36) : AC(7)

*Anti Therapeutic Actions*: Vaccination: All : CK(5137) : AC(437)

*Problem Substances*: Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

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**Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.**

*Pubmed Data*: Front Neurol. 2015;6:4. Epub 2015 Feb 5. PMID: [25699008]

*Article Published Date*: Dec 31, 2014

*Authors*: Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

*Study Type*: Review

*Additional Links*

*Diseases*: Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

*Additional Keywords*: Biopersistence : CK(11) : AC(2), Genomic Variation : CK(143) : AC(18), Gulf War Syndrome : CK(1) : AC(1), Risk Factors : CK(3057) : AC(392)

*Anti Therapeutic Actions*: Vaccination: All : CK(5137) : AC(437)

*Problem Substances*: Aluminum Hydroxide : CK(79) : AC(18)

*Adverse Pharmacological Actions*: Neurotoxic : CK(1251) : AC(224)
In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

**Pubmed Data**: Brain. 2001 Sep ;124(Pt 9):1821-31. PMID: [11522584](https://pubmed.ncbi.nlm.nih.gov/11522584/)

**Article Published Date**: Aug 31, 2001

**Authors**: R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Aluminium Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

**Additional Keywords**: Biopersistence : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Tetanus : CK(74) : AC(12)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

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**Long-term persistence of vaccine-derived aluminum hydroxide within the body assessed by MMF is associated with cognitive dysfunction.**


**Article Published Date**: Oct 31, 2009

**Authors**: Maryline Couette, Marie-Françoise Boisse, Patrick Maison, Pierre Brugieres, Pierre Cesaro, Xavier Chevalier, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cognitive Decline/Dysfunction : CK(1163) : AC(215), Macrophagic myofasciitis : CK(36) : AC(7)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

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**The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.**
**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

**Pubmed Data** : Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633

**Study Type** : Commentary


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**Malaria (AC 1) (CK 10)**

**Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.**
"A history of prior vaccination is not always associated with immunity nor with the presence of specific antibodies."

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate."
**A 1993 outbreak of measles in a highly immunised Australian population.**


**Article Published Date**: Aug 31, 1994

**Authors**: A Herceg, I Passaris, C Mead

**Study Type**: Human Study

**Diseases**: Measles: CK(291): AC(33)

**Additional Keywords**: Lack Of Evidence Supporting Vaccines: CK(20): AC(1), Vaccine Safety: CK(21): AC(2)


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**A low measles vaccine efficacy rate may explain the less-than-expected gains attributable to vaccination.**


**Article Published Date**: Dec 31, 2008

**Authors**: Robert J Ledogar, John Fleming, Neil Andersson

**Study Type**: Human Study

**Diseases**: Measles: CK(291): AC(33)

**Additional Keywords**: Vaccine Failure: CK(255): AC(32)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Measles: CK(252): AC(31)

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**A major measles epidemic occured in 1989 in the region of Quebec despite a 99% vaccine coverage.**


**Article Published Date**: Apr 30, 1991

**Authors**: N Boulianne, G De Serres, B Duval, J R Joly, F Meyer, P Dery, M Alary, D Le Hénaff, N Thériault

**Study Type**: Human Study

**Diseases**: Measles: CK(291): AC(33)

**Additional Keywords**: Vaccine Failure: CK(255): AC(32)
A measles outbreak at a college with a prematriculation immunization requirement.


**Article Published Date**: Feb 28, 1991

**Authors**: B S Hersh, L E Markowitz, R E Hoffman, D R Hoff, M J Doran, J C Fleishman, S R Preblud, W A Orenstein

**Study Type**: Human Study

**Additional Links**

**Diseases**: Measles : CK(291) : AC(33)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)

A measles outbreak in Montana in 1985 indicates vaccine failure.

**Pubmed Data**: Am J Epidemiol. 1987 Sep;126(3):438-49. PMID: 3618578

**Article Published Date**: Aug 31, 1987

**Authors**: R M Davis, E D Whitman, W A Orenstein, S R Preblud, L E Markowitz, A R Hinman

**Study Type**: Human Study

**Additional Links**

**Diseases**: Measles : CK(291) : AC(33)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)

A patient that had received 2 doses of MMR vaccine developed measles after being exposed in the setting of a hospital waiting room.


**Article Published Date**: Dec 31, 2014

**Authors**: Amanda Kamali, Chhandasi P Bagchi, Emmanuel Mendoza, Dulmini Wilson, Benjamin Schwartz, Laurene Mascola

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Measles : CK(291) : AC(33)

**Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)
An outbreak of measles occurred in a high school with a documented vaccination level of 98 per cent.

**Article Published Date**: Mar 31, 1987
**Authors**: B M Nkowane, S W Bart, W A Orenstein, M Baltier
**Study Type**: Human Study
**Diseases**: Measles : CK(291) : AC(33)
**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)
**Anti Therapeutic Actions**: Vaccination: Measles : CK(252) : AC(31)


**Pubmed Data**: Clin Infect Dis. 2014 May ;58(9):1205-10. Epub 2014 Feb 27. PMID: 24585562
**Article Published Date**: Apr 30, 2014
**Authors**: Jennifer B Rosen, Jennifer S Rota, Carole J Hickman, Sun B Sowers, Sara Mercader, Paul A Rota, William J Bellini, Ada J Huang, Margaret K Doll, Jane R Zucker, Christopher M Zimmerman
**Study Type**: Human: Case Report
**Diseases**: Measles : CK(291) : AC(33)
**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)
**Anti Therapeutic Actions**: Vaccination: Measles : CK(252) : AC(31)

Despite a high coverage with measles vaccines in parts of west Africa, epidemics of measles occur with reduced severity in an increasing proportion of older children who have been vaccinated.

**Pubmed Data**: Lancet. 1999 Jan 9 ;353(9147):98-102. PMID: 10023894
**Article Published Date**: Jan 08, 1999
**Authors**: H C Whittle, P Aaby, B Samb, H Jensen, J Bennett, F Simondon
**Study Type**: Human Study
**Diseases**: Measles : CK(291) : AC(33)
**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)
Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.


**Article Published Date**: Dec 31, 2013

**Authors**: Zhifang Wang, Rui Yan, Hanqing He, Qian Li, Guohua Chen, Shengxu Yang, Enfu Chen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Measles : CK(291) : AC(33), Mumps : CK(54) : AC(6), Rubella : CK(54) : AC(4)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)


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Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.

**Pubmed Data**: J Infect Dis. 1990 Nov ;162(5):1043-8. PMID: [2230232](https://doi.org/10.1093/infdis/162.5.1043)

**Article Published Date**: Oct 31, 1990

**Authors**: P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle

**Study Type**: Human Study

**Additional Links**

**Diseases**: Measles : CK(291) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Antibody Theory Of Vaccinology : CK(75) : AC(5), Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)

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High titre measles vaccination increases female mortality in those receiving immunization in West Africa.


**Article Published Date**: Jun 01, 1996

**Authors**: K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine

**Study Type**: Human Study

**Additional Links**

**Diseases**: Measles : CK(291) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)
High-titer measles vaccination before 9 months of age has been linked to increased female mortality.

Article Published Date: Jul 01, 2003
Authors: Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle
Study Type: Human Study

In a measles outbreak from March 1991 to April 1992 in Rio de Janeiro 76.4% of those suspected to be infected had received measles vaccine before their first birthday.

Article Published Date: Sep 30, 1995
Authors: S A de Oliveira, W N Soares, M O Dalston, M T de Almeida, A J Costa
Study Type: Human Study

In this animal study measles vaccine did not prevent infection or disease against wild type MeV.

Article Published Date: Dec 31, 2013
Authors: Wen-Hsuan W Lin, Chien-Hsiung Pan, Robert J Adams, Beth L Laube, Diane E Griffin
Study Type: Animal Study

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum
disorder.


**Article Published Date**: May 01, 2003

**Authors**: Bijal K Mehta, Kerim M Munir

**Study Type**: Commentary

**Diseases**: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(291) : AC(33)

**Additional Keywords**: Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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**Measles outbreak in a fully immunized secondary-school population with up to 99 percent vaccination.**


**Article Published Date**: Mar 25, 1987

**Authors**: T L Gustafson, A W Lievens, P A Brunell, R G Moellenberg, C M Buttery, L M Sehulster

**Study Type**: Human Study

**Diseases**: Measles : CK(291) : AC(33)

**Additional Keywords**: Antibody Theory Of Vaccinology : CK(75) : AC(5), Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)

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**Measles vaccination in developing countries has resulted in higher infant mortality rates.**


**Article Published Date**: Nov 20, 1993

**Authors**: A J Hall, F T Cutts

**Study Type**: Review

**Diseases**: Child Mortality : CK(74) : AC(9), Measles : CK(291) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) : AC(31)

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**Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and**
was associated with a variety of new side effects of the vaccine.

Article Published Date: Jun 23, 1995
Authors: R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis
Study Type: Human Study
Additional Links
Diseases: Measles : CK(291) : AC(33), Mumps : CK(54) : AC(6), Rubella : CK(54) : AC(4)
Additional Keywords: Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Passive acquired immunity against measles in infants born to naturally infected and vaccinated mothers.

Article Published Date: Nov 30, 2003
Authors: Leszek Szenborn, Annedore Tischer, Jerzy Pejcz, Zbigniew Rudkowski, Marta Wójcik
Study Type: Human Study
Additional Links
Diseases: Measles : CK(291) : AC(33)

Passive immunity against measles is superior in infants of mothers who experienced naturally acquired measles infection versus those who were vaccinated.

Pubmed Data: Vaccine. 1997 Apr-May;15(6-7):620-3. PMID: 9178461
Article Published Date: Mar 31, 1997
Authors: G De Serres, J R Joly, M Fauvel, F Meyer, B Mâsse, N Boulianne
Study Type: Human Study
Additional Links
Diseases: Measles : CK(291) : AC(33)
Additional Keywords: Antibody Theory Of Vaccinology : CK(75) : AC(5), Health Myths Explored : CK(22) : AC(4), Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: Measles : CK(252) : AC(31)

Primary and secondary vaccine failure may explain the 1992 measles epidemic in Cape Town.

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.


The occurrence of secondary vaccine failure and vaccine-modified measles in the United States may lead to underreporting of measles cases and result in overestimation of vaccine efficacy in h

Pubmed Data: JAMA. 1990 May 9 ;263(18):2467-71. PMID: 2278542

There is evidence that measles vaccine recipients can shed measles vaccine.
**Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.**


**Article Published Date**: Jun 30, 2004

**Authors**: Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

**Study Type**: Human Study

**Diseases**: Diarrhea : CK(612) : AC(83), Malaria : CK(145) : AC(58), Measles : CK(291) : AC(33), Pneumonia : CK(409) : AC(55)

**Additional Keywords**: Undernourishment And Susceptibility To Infectious Disease : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Meningitis: Viral (AC 2) (CK 20)**

**Varciella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.**

**Pubmed Data**: J Infect Dis. 2008 Nov 15;198(10):1444-7. PMID: 18826373

**Article Published Date**: Nov 15, 2008

**Authors**: Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid

**Study Type**: Human Study

**Diseases**: Herpes Zoster : CK(473) : AC(36), Meningitis: Viral : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Smallpox : CK(71) : AC(7)
Varicella vaccine has been reported to viral meningitis in an immunocompetent child.


**Article Published Date**: Jun 01, 2009

**Authors**: Sujit Iyer, Manoj K Mittal, Richard L Hodinka

**Study Type**: Human Study

**Additional Links**

**Diseases**: Chickenpox : CK(113) : AC(12), Herpes Zoster : CK(473) : AC(36), Meningitis: Viral : CK(20) : AC(2)

**Pharmacological Actions**: Antiviral Agents : CK(938) : AC(433)

**Additional Keywords**: Undefined : CK(14) : AC(3)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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**Mental Retardation (AC 1) (CK 1)**

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.


**Article Published Date**: Apr 01, 2009

**Authors**: Donald A Drum

**Study Type**: Commentary

**Additional Links**


**Additional Keywords**: Thimerosal : CK(3) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
Mercury Poisoning (AC 7) (CK 55)

Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.

Article Published Date: Sep 01, 2007
Authors: Rejane C Marques, José G Dórea, Márlon F Fonseca, Wanderley R Bastos, Olaf Malm
Study Type: Human Study
Additional Links
Diseases: Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)
Therapeutic Actions: Breastfeeding : CK(803) : AC(85)
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.

Article Published Date: Mar 29, 2008
Authors: G V Stajich, G P Lopez, S W Harry, W R Sexson
Study Type: Human Study
Additional Links
Diseases: Mercury Poisoning : CK(228) : AC(178), Premature Birth : CK(424) : AC(45)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

Article Published Date: Aug 01, 2009
Authors: José G Dórea, Rejane C Marques, Katiane G Brandão
Study Type: Meta Analysis
Additional Links
Diseases: Hepatitis B : CK(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

Pubmed Data: Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: 19043939
Article Published Date: Dec 01, 2004
Authors: Stephanie F Cave
Study Type: Commentary
Additional Links
Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Mercury Poisoning: CK(228) : AC(178), Mitochondrial Diseases: CK(227) : AC(92), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Diseases that are Linked: CK(2335) : AC(304)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.

Article Published Date: Apr 15, 2005
Authors: S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman
Study Type: Animal Study
Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Mercury Poisoning: CK(228) : AC(178), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure.

Pubmed Data: Cell Biol Toxicol. 2009 Apr 9. PMID: 19357975
Article Published Date: Apr 09, 2009
Authors: Takeshi Minami, Eriko Miyata, Yamato Sakamoto, Hideo Yamazaki, Seiji Ichida
Study Type: Animal Study
Additional Links
Diseases: Mercury Poisoning: CK(228) : AC(178), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Thimerosal: CK(3) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

There is evidence supporting an association between
increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.


**Article Published Date**: Dec 31, 2012

**Authors**: David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study

**Diseases**: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159), Mercury Poisoning: CK(228) : AC(178), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Problem Substances**: Mercury: CK(237) : AC(38), Thimerosal: CK(757) : AC(85)

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**Miller Fisher Syndrome (AC 1) (CK 3)**

**Influenza vaccination has been reported to cause miller fisher syndrome.**


**Article Published Date**: Oct 01, 2011

**Authors**: Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee

**Study Type**: Human: Case Report

**Diseases**: Guillain Barre Syndrome: Miller Fisher Variant: CK(13) : AC(2), Miller Fisher Syndrome: CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

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**Miscarriage (AC 1) (CK 10)**

**The use of misoprostol for early pregnancy failure after**
The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage.

Article Published Date: Apr 01, 2005
Authors: G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogertop, H W Bruinse, B W J Mol
Study Type: Human Study
Additional Links
Diseases: Miscarriage: CK(323): AC(37), Miscarriage: Medical Intervention: CK(125): AC(14)
Additional Keywords: Surgical Alternatives: CK(20): AC(2)
The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

Pubmed Data: Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: 19043939
Article Published Date: Dec 01, 2004
Authors: Stephanie F Cave
Study Type: Commentary
Additional Links:
Additional Keywords: Diseases that are Linked: CK(2335): AC(304)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Mood Disorders (AC 1) (CK 10)

Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.

Article Published Date: Aug 31, 2009
Authors: Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley
Study Type: Human Study
Additional Links:
Diseases: Depressive Disorder: CK(426): AC(60), Inflammation: CK(3240): AC(882), Mood Disorders: CK(156): AC(19)
Additional Keywords: Cytokines: CK(33): AC(11)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Morphea profunda (AC 1) (CK 3)
Deep morphea after vaccination in two young children has been reported.

Article Published Date: Sep 01, 2006
Authors: Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano
Study Type: Human: Case Report
Additional Links
Diseases: Morphea profunda: CK(3) : AC(1), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Multiple Sclerosis (AC 15) (CK 79)

"Yellow fever vaccination and increased relapse rate in travelers with multiple sclerosis."

Article Published Date: Oct 01, 2011
Authors: Mauricio F Farez, Jorge Correale
Study Type: Human Study
Additional Links
Diseases: Multiple Sclerosis: CK(964) : AC(184)
Anti Therapeutic Actions: Vaccination: Yellow Fever: CK(13) : AC(2)
Adverse Pharmacological Actions: Immunotoxic: CK(294) : AC(52)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Pubmed Data: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329
Article Published Date: Sep 01, 2001
Authors: C Besson Duvanel, P Honegger, J M Matthieu
Study Type: Animal Study
Additional Links
Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis.


**Article Published Date**: Jan 01, 2009

**Authors**: Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Multiple Sclerosis: CK(964): AC(184), Vaccine-induced Toxicity: CK(1325): AC(194)


Hepatitis B vaccination coverage has fallen to beneath 30% in France due to concerns over safety.


**Article Published Date**: Nov 01, 2009

**Authors**: Marta A Balinska

**Study Type**: Human Study

**Additional Links**

**Diseases**: Multiple Sclerosis: CK(964): AC(184)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis.


**Article Published Date**: Jan 01, 2006

**Authors**: Yannick Comenge, Marc Girard

**Study Type**: Commentary

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)
Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Article Published Date: Feb 01, 2006
Authors: M R Geier, D A Geier
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.

Article Published Date: May 01, 2002
Authors: Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu
Study Type: Human Study
Additional Links
Diseases: Demyelinating Diseases: CK(1671) : AC(332), Inflammation: CK(3240) : AC(882), Multiple Sclerosis: CK(964) : AC(184)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data: Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133
Article Published Date: Sep 14, 2004
Authors: Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick
Study Type: Human Study
Additional Links
Diseases: Demyelinating Diseases: CK(1671) : AC(332), Hepatitis B: CK(241) : AC(46), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Hepatitis B Vaccine: CK(30) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)
Neurological adverse events associated with vaccination.


**Article Published Date**: May 31, 2002

**Authors**: Sucheep Piyasirisilp, Thiravat Hemachudha

**Study Type**: Review

**Additional Links**
- **Diseases**: Autism: CK(617) : AC(73), Guillain-Barre Syndrome: CK(110) : AC(18), Multiple Sclerosis: CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease: CK(4) : AC(2), Vaccine-induced Toxicity: CK(1325) : AC(194)
- **Additional Keywords**: Adverse Events : CK(35) : AC(5), Vaccine Contaminants : CK(11) : AC(2)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
- **Problem Substances**: Aluminum : CK(274) : AC(78), Thimerosal : CK(757) : AC(85)

Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis.


**Article Published Date**: Feb 18, 2010

**Authors**: Serefnur Oztürk

**Study Type**: Commentary

**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Multiple Sclerosis: CK(964) : AC(184)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase.


**Article Published Date**: Jan 01, 2005

**Authors**: E Faure

**Study Type**: Commentary

**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Hepatitis B: CK(241) : AC(46), Multiple Sclerosis: CK(964) : AC(184)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Vaccination may be contributing to autoimmune disease.
Vaccination may contribute to causing a wide variety of autoimmune disorders.

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).
Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease.

Article Published Date: Jun 01, 2001
Authors: D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases: CK(6629): AC(1128), Multiple Sclerosis: CK(964): AC(184)
Additional Keywords: Diseases that are Linked: CK(2335): AC(304)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Varicella (Chicken pox): CK(177): AC(22)

"Mumps outbreak among vaccinated university students associated with a large party, the Netherlands, 2010."

Article Published Date: Jun 28, 2012
Authors: Katie Greenland, Jane Whelan, Ewout Fanoy, Marjon Borgert, Koen Hulshof, Kioe-Bing Yap, Corien Swaan, Tjibbe Donker, Rob van Binnendijk, Hester de Melker, Susan Hahné
Study Type: Human: Case Report
Additional Links
Diseases: Mumps: CK(54): AC(6)
Additional Keywords: Vaccine Failure: CK(255): AC(32)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR): CK(276): AC(37)

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate. "

Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.


Fifty-one percent of cases of patients in a 1998/1999 mumps outbreak had at least one MMR vaccination, indicating their effectiveness may be overestimated.

Pubmed Data : Vaccine. 2005 Jul 1 ;23(31):4070-4. PMID: 15950329

Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the
Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Article Published Date: May 15, 2010
Authors: Joerg-Patrick Stübgen
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

Mycoplasma Infections (AC 2) (CK 11)

High antibody titres against predicted Mycoplasma surface proteins do not prevent sequestration in infected
lung tissue in the course of experimental contagious bovine pleuropneumonia.


**Article Published Date**: Aug 05, 2014

**Authors**: Elise Schieck, Anne Liljander, Carl Hamsten, Nimmo Gicheru, Massimo Scacchia, Flavio Sacchini, Martin Heller, Christiane Schnee, Anja Sterner-Kock, Andreas Hlinak, Jan Naessens, Jane Poole, Anja Persson, Joerg Jores

**Study Type**: Human Study

**Additional Links**

**Diseases**: Mycoplasma Infections : CK(14) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Antibody Theory Of Vaccinology : CK(75) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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Mycoplasma testing of cell substrates and biologics is often not performed due to the long turn around.


**Article Published Date**: Apr 01, 2011

**Authors**: Dmitriy V Volokhov, Laurie J Graham, Kurt A Brorson, Vladimir E Chizhikov

**Study Type**: Review

**Additional Links**

**Diseases**: Mycoplasma Infections : CK(14) : AC(5)

**Additional Keywords**: Vaccine Risks: Mycoplasma : CK(1) : AC(1), Vaccine Safety : CK(21) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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Myelitis (AC 6) (CK 42)

Acute transverse myelitis after influenza vaccination has been reported.


**Article Published Date**: Oct 01, 1996

**Authors**: R Bakshi, J C Mazziotta

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis : CK(42) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) :
**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.**


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Hepatitis B vaccine may induce myelitis in susceptible individuals.**


**Article Published Date**: Nov 01, 2001

**Authors**: F Karaali-Savrun, A Altintas, S Saip, A Siva

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis : CK(42) : AC(6)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Immune-mediated myelitis following hepatitis B vaccination has been reported.**


**Article Published Date**: Apr 01, 2012

**Authors**: Joerg-Patrick Stübgen

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis : CK(42) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)
Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.

Pubmed Data: Lupus. 2009 Nov;18(13):1198-204. PMID: 19880568
Article Published Date: Nov 01, 2009
Authors: N Agmon-Levin, S Kivity, M Szyper-Kravitz, Y Shoenfeld
Study Type: Meta Analysis
Diseases: Myelitis: CK(42) : AC(6), Vaccine-induced Toxicity: CK(1325) : AC(194)

Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.

Article Published Date: Aug 01, 2010
Authors: Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington
Study Type: Human: Case Report
Diseases: Myelitis: CK(42) : AC(6), Swine Flu Associated Virus: CK(182) : AC(40)

Myelodysplastic Syndrome (AC 1) (CK 3)

A case of hypersensitivity reaction, myelodysplastic syndrome and pancytopenia, which developed after an thimerosal-containing tetanus vaccine.

Article Published Date: Nov 30, 2007
Authors: Hasan Karsen, Hayrettin Akdeniz, Mustafa H Karahocagil, Ali I Baran, Remzi Erten
Study Type: Human: Case Report
An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.


**Article Published Date**: Jul 01, 1994

**Authors**: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

**Study Type**: Human Study

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.


**Article Published Date**: Mar 15, 2008

**Authors**: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow

**Study Type**: Human Study

Smallpox vaccination has been associated with cardiac
complications such as myopericarditis.

- **Pubmed Data**: South Med J. 2009 May 7. Epub 2009 May 7. PMID: 19434043
- **Article Published Date**: May 07, 2009
- **Authors**: Luis F Mora, Akbar H Khan, Laurence S Sperling
- **Study Type**: Human Study
- **Diseases**: Myocarditis : CK(44) : AC(7), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Smallpox : CK(71) : AC(8)

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Myopathy: Inflammatory (AC 1) (CK 1)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

- **Article Published Date**: Feb 01, 2009
- **Authors**: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier
- **Study Type**: Commentary
- **Diseases**: Aluminum Toxicity : CK(207) : AC(75), Chronic Fatigue Syndrome : CK(275) : AC(40), Myopathy: Inflammatory : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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Myopericarditis (AC 4) (CK 40)

Among US military personnel vaccinated against smallpox, myopericarditis occurred at a rate of 1 per 12,819 primary vaccinees, and 3.6 fold higher in those
without previous vaccinia vaccination.


**Article Published Date**: Jun 25, 2003

**Authors**: Jeffrey S Halsell, James R Riddle, J Edwin Atwood, Pierce Gardner, Robert Shope, Gregory A Poland, Gregory C Gray, Stephen Ostroff, Robert E Eckart, Duane R Hospenthal, Roger L Gibson, John D Grabenbstein, Mark K Arness, David N Tornberg

**Study Type**: Human Study

**Additional Links**

**Diseases**: Myopericarditis: CK(40) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Smallpox : CK(71) : AC(8)

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**An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.**

**Pubmed Data**: J Rheumatol. 1994 Jul;21(7):1305-9. PMID: [18284356](https://doi.org/10.3899/jrheum.94.71305)

**Article Published Date**: Jul 01, 1994

**Authors**: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

**Study Type**: Human Study

**Additional Links**

**Diseases**: Myocarditis : CK(44) : AC(7), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Smallpox : CK(71) : AC(8)

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**Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.**

**Pubmed Data**: Clin Infect Dis. 2008 Mar 15;46 Suppl 3:S242-50. PMID: [18284365](https://doi.org/10.1086/525712)

**Article Published Date**: Mar 15, 2008

**Authors**: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow

**Study Type**: Human Study

**Additional Links**

**Diseases**: Myocarditis : CK(44) : AC(7), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Smallpox : CK(71) : AC(8)
Smallpox vaccination has been associated with cardiac complications such as myopericarditis.

Article Published Date: May 07, 2009
Authors: Luis F Mora, Akbar H Khan, Laurence S Sperling
Study Type: Human Study
Additional Links

Narcolepsy (AC 2) (CK 20)

An association between Pandemrix vaccination and narcolepsy has been observed in Finland and Sweden

Article Published Date: Dec 31, 2013
Authors: D O'Flanagan, A S Barret, M Foley, S Cotter, C Bonner, C Crowe, B Lynch, B Sweeney, H Johnson, B McCoy, E Purcell
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: Influenza: CK(435): AC(50)

We consider it likely that pandemrix vaccination contributed to the increased incidence of narcolepsy in Finland in 2010 in HLA DQB1*0602 positive children.

Article Published Date: Dec 31, 2011
Authors: Markku Partinen, Outi Saarenpää-Heikkilä, Ismo Ilveskoski, Christer Hublin, Miika Linna, Päivi Olsén, Pekka Nokelainen, Reija Alén, Tiina Wallden, Merimaaria Espo, Harri Rusanen, Jan Olme, Heli Sätilä, Harri Arikka, Pekka Kaipainen, Ilkka Julkunen, Turkka Kirjavainen
Study Type: Human Study
Additional Links
Neuritis: Brachial Plexus (AC 1) (CK 1)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

Article Published Date: May 25, 1994
Authors: K R Stratton, C J Howe, R B Johnston
Study Type: Review

Neurodevelopmental Disorders (AC 4) (CK 24)

Increasing organic Hg exposure from Thimerosal-containing vaccines increased the subsequent risk of pervasive developmental disorder diagnosis.

Article Published Date: Jan 31, 2015
Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.

Article Published Date : Dec 31, 2009
Authors : Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko
Study Type : Animal Study
Additional Links
Diseases : Amygdala: Damage/Abnormalities : CK(12) : AC(2), Neurodevelopmental Disorders : CK(217) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)
Problem Substances : Thimerosal : CK(757) : AC(85)

This study supports an association between increasing exposure from thimerosal containing childhood vaccines and the subsequent risk of specific delays in development among males and females.

Article Published Date : Sep 30, 2014
Authors : David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier
Study Type : Human Study
Additional Links
Diseases : Autoimmune Diseases : CK(6629) : AC(1128), Neurodevelopmental Disorders : CK(217) : AC(33)
Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(429) : AC(54)
Problem Substances : Thimerosal : CK(757) : AC(85)

VAERS had significantly higher ORs than autism following thimerosal containing DTaP vaccines in comparison to
thimerosal free DTaP vaccines.

Article Published Date: Sep 29, 2011
Authors: Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Ksenia Meyza, Maria Dorota Majewska
Study Type: Animal Study
Additional Links
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus: CK(315): AC(36)
Problem Substances: Thimerosal: CK(757): AC(85)

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Neurological Conditions (AC 1) (CK 10)

Yellow fever vaccine may be linked to neurological problems via a molecular mimicry mechanism.

Article Published Date: Dec 31, 2015
Authors: Richard E Rosch, Michael Farquhar, Paul Gringras, Deb K Pal
Study Type: Human Study
Additional Links
Diseases: Neurological Conditions: CK(5): AC(5)
Additional Keywords: Molecular Mimicry: CK(67): AC(15)
Anti Therapeutic Actions: Vaccination: Yellow Fever: CK(13): AC(2)

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Neuromuscular Diseases (AC 1) (CK 1)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.
Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.
Neuropathy: Small Fiber (AC 1) (CK 10)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.


Authors: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

Study Type: Human Study

Vaccine-induced Toxicity: CK(1325) : AC(194), Varicella: CK(50) : AC(5)

New Variant Creutzfeldt-Jakob Disease (AC 1) (CK 1)

Neurological adverse events associated with vaccination.
**Non-polio acute flaccid paralysis (NPAFP) (AC 3) (CK 12)**

In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.


**Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.**

**Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.**


**Article Published Date**: Jul 31, 2011

**Authors**: Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

**Study Type**: Human Study

**Additional Links**

**Diseases**: Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Poliomyelitis : CK(33) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)


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**Obesity (AC 1) (CK 10)**

**Increased organic mercury exposure from Thimerosal-containing hepatitis B vaccines could lead to an increased risk of obesity diagnosis.**


**Article Published Date**: Jun 30, 2016

**Authors**: David A Geier, Janet K Kern, Kristin G Homme, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Obesity : CK(2443) : AC(521)

**Additional Keywords**: Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(429) : AC(54)
Optic Neuritis (AC 5) (CK 29)

Acute optic neuritis is a rare complication of MR vaccination and may occur early after immunization.

Pubmed Data: J Ophthalmic Vis Res. 2008 Apr;3(2):118-22. PMID: 23479534
Article Published Date: Mar 31, 2008
Authors: Siamak Moradian, Hamid Ahmadieh
Study Type: Human: Case Report
Additional Links
Diseases: Optic Neuritis: CK(39) : AC(6)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Article Published Date: Feb 01, 2006
Authors: M R Geier, D A Geier
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Article Published Date: Jun 01, 2005
Authors: David A Geier, Mark R Geier
**Optic neuritis following hepatitis B vaccination has been reported.**


**Article Published Date**: Nov 01, 2009

**Authors**: Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu

**Study Type**: Human: Case Report

**Diseases**: Optic Neuritis: CK(39) : AC(6), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**This patient developed optic neuritis about five days after being given a dose of MMR vaccine.**


**Article Published Date**: Dec 31, 2015

**Authors**: Chiara De Giacinto, Elvira Guaglione, Pia E Leon, Rossella D'Aloisio, Odilla Vattovani, Giuseppe Raivalco, Daniele Tognetto

**Study Type**: Human: Case Report

**Diseases**: Optic Neuritis: CK(39) : AC(6), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Additional Keywords**: Antibody Titers : CK(13) : AC(2)

**Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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**Orchitis (AC 1) (CK 10)**

Mumps orchitis occurs vaccinated postpubertal males.
Ovarian Failure (AC 1) (CK 3)

"Human papilloma virus vaccine and primary ovarian failure: another facet of the autoimmune/inflammatory syndrome induced by adjuvants."

Oxidative Stress (AC 1) (CK 2)

Coriandrum sativum has antioxidant activity.
Pancreatitis (AC 1) (CK 3)

This case of acute pancreatitis after HPV vaccination is not a novel entity.

Article Published Date: Jul 15, 2016
Authors: Mojca Bizjak, Or Bruck, Sonja Praprotnik, Shani Dahan, Yehuda Shoenfeld
Study Type: Human: Case Report
Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Pancreatitis: CK(233) : AC(60)
Additional Keywords: Molecular Mimicry: CK(67) : AC(15)
Anti Therapeutic Actions: Vaccination: HPV (Gardisil): CK(150) : AC(22)

Pancytopenia (AC 1) (CK 10)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

Article Published Date: Feb 01, 2006
Authors: M R Geier, D A Geier
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)
"Primary infections with either B. pertussis or Bordetella parapertussis stimulated a vigorous antibody response to ACT. In contrast, patients in whom DTP and DTaP vaccines failed had minimal ACT antibody responses."

Article Published Date: Feb 14, 2004
Authors: James D Cherry, Dorothy X L Xing, Penny Newland, Kashmira Patel, Ulrich Heininger, Michael J Corbel
Study Type: Human Study

A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.

Article Published Date: Jul 05, 2016
Authors: Ulrich Heininger, Detlef Schlassa
Study Type: Human: Case Report

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Parapneumonic Empyema (AC 1) (CK
There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.


**Article Published Date**: Nov 01, 2008

**Authors**: Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

**Study Type**: Human Study

**Additional Links**

**Diseases**: Childhood Infections : CK(275) : AC(29), Empyema : CK(10) : AC(1), Parapneumonic Empyema : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal : CK(71) : AC(8)

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**Parkinsonian Disorders (AC 1) (CK 3)**

Measles vaccine and glyphosate-induced parkinsonism has been reported.


**Article Published Date**: Jun 01, 2003

**Authors**: Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Glyphosate Toxicity : CK(76) : AC(30), Parkinsonian Disorders : CK(25) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Measles : CK(252) : AC(31)

**Problem Substances**: Glyphosate : CK(502) : AC(160)

**Adverse Pharmacological Actions**: Neurotoxic : CK(1251) : AC(224)
Pericarditis (AC 3) (CK 30)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.

Article Published Date: Jul 01, 1994
Authors: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey
Study Type: Human Study

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.

Article Published Date: Mar 15, 2008
Authors: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow
Study Type: Human Study

Smallpox vaccination has been associated with cardiac complications such as myopericarditis.

Article Published Date: May 07, 2009
Authors: Luis F Mora, Akbar H Khan, Laurence S Sperling
Study Type: Human Study

Additional Links
Peripheral Neuropathies (AC 1) (CK 1)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.

Pubmed Data: J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: [18579284]
Article Published Date: Sep 01, 2003
Authors: Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka
Study Type: Commentary
Additional Links
Diseases: Peripheral Neuropathies: CK(214) : AC(35), Vasculitis: CK(48) : AC(11)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Pertussis (AC 13) (CK 70)

A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.

Article Published Date: Jul 05, 2016
Authors: Ulrich Heininger, Detlef Schlassa
Study Type: Human: Case Report
Additional Links
Diseases: Parapertussis : CK(13) : AC(2), Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)
Anti Therapeutic Actions: Vaccination: Pertussis : CK(148) : AC(25)
DPT vaccines have been associated with recurrent seizures.

Article Published Date : Oct 01, 1984
Authors : J V Murphy, L D Sarff, K M Marquardt
Study Type : Human Study
Additional Links
Diseases : Pertussis : CK(123) : AC(23), Seizures : CK(190) : AC(55), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Despite high coverage rates for primary immunization in infants and children pertussis incidence rates are increasing.

Article Published Date : May 01, 2005
Authors : Tina Tan, Evelinda Trindade, Danuta Skowronski
Study Type : Review
Additional Links
Diseases : Pertussis : CK(123) : AC(23)
Additional Keywords : Vaccine Resistance : CK(11) : AC(2)

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce

Article Published Date : Nov 10, 2011
Authors : Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker
Study Type : Human Study
Additional Links
Diseases : Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)
In Kings County Washington, between 2002-2007, of the 176 confirmed cases of pertussis in infants under age 1 seventy-seven percent were age-appropriately vaccinated.


**Article Published Date**: Jul 01, 2011

**Authors**: Matthew P Hanson, Tao S Kwan-Gett, Atar Baer, Krista Rietberg, Mara Ohrt, Jeffrey S Duchin

**Study Type**: Human Study

**Additional Links**

**Diseases**: Pertussis : CK(123) : AC(23)

**Additional Keywords**: Vaccine Resistance : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(517) : AC(437), Vaccination: Pertussis : CK(148) : AC(25)

Lactobacillus bulgaricus contains a substance which may improve immunogenicity and reduce the toxicity of pertussis vaccination (whooping cough vaccine).


**Article Published Date**: Jan 01, 1986

**Authors**: I B Shepeleva, N S Zakharova, T N Remova, I G Bazhanova, M V Britsina

**Study Type**: Animal Study

**Additional Links**

**Substances**: Lactobacilius bulgaricus : CK(35) : AC(8)

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Additional Keywords**: Vaccine Side Effect Attenuation : CK(2) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(148) : AC(25)

Pathogen adaptation has contributed to the resurgence of pertussis.


**Article Published Date**: Dec 31, 2014

**Authors**: Marieke J Bart, Han G J van der Heide, Anne Zeddeman, Kees Heuvelman, Marjolein van Gent, Frits R Mooi

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Pertussis : CK(123) : AC(23)
Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine.

Article Published Date: Nov 07, 2013
Authors: Maria-Rosa Sala-Farré, César Arias-Varela, Assumpta Recasens-Recasens, Maria Simó-Sanahuja, Carmen Muñoz-Almagro, Josefa Pérez-Jové
Study Type: Human Study

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease.


The study results can be interpreted as a partial genetic escape of pathogenic strains of B. pertussis beyond the reach of the pertussis vaccines.

Pubmed Data: Epidemiol Mikrobiol Imunol. 2015 ;64(3):130-8. PMID: 26448300
These results suggest that the immune pressure of vaccination is one major driving force for the evolution of B. pertussis.

Article Published Date: Dec 31, 2014
Authors: Yinghua Xu, Bin Liu, Kirsi Gröndahl-Yli-Hannuksila, Yajun Tan, Lu Feng, Teemu Kallonen, Lichan Wang, Ding Peng, Qiushui He, Lei Wang, Shumin Zhang
Study Type: In Vitro Study
Additional Links
Diseases: Pertussis: CK(123) : AC(23), Whooping Cough: CK(147) : AC(22)
Anti Therapeutic Actions: Vaccination: Pertussis: CK(148) : AC(25)

Underestimation of central nervous system complications after pertussis immunization appears to be prevalent.

Article Published Date: Aug 01, 1991
Authors: W Ehrengut
Study Type: Review
Additional Links
Diseases: Pertussis: CK(123) : AC(23)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.

Article Published Date: Sep 01, 2000
Authors: I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type: Human Study
Additional Links
Diseases: Pertussis: CK(123) : AC(23), Vaccine-induced Toxicity: CK(1325) : AC(194), Whooping Cough: CK(147) : AC(22)
Additional Keywords: Reservoirs For Infection: CK(10) : AC(1)
Pharyngeal Diseases (AC 1) (CK 10)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Article Published Date : Jan 01, 2001
Authors : M A Fisher, S A Eklund, S A James, X Lin
Study Type : Human Study
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Pneumococcal Infections (AC 5) (CK 41)

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.

Pubmed Data : Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352
Article Published Date : Apr 01, 2009
Authors : Claudia R Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering
Study Type : Human Study
Additional Links
Diseases : Infant Infections : CK(410) : AC(44), Pneumococcal Infections : CK(52) : AC(12), Upper Respiratory Infections : CK(950) : AC(114)
Anti Therapeutic Actions : Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)
Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections.


**Article Published Date** : Jun 28, 2003

**Authors** : Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed IJzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Ger Rijkers, Anne Schilder, Elisabeth Sanders

**Study Type** : Human Study

**Additional Links**

**Diseases** : Ear Infection : CK(306) : AC(42), Pneumococcal Infections : CK(52) : AC(12)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)

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Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections - Article 2.


**Article Published Date** : Feb 01, 2006

**Authors** : Muriel J P van Kempen, Judith S Vermeiren, Mario Vaneechoutte, Geert Claeys, Reinier H Veenhoven, Ger T Rijkers, Elisabeth A M Sanders, Ingeborg J Dhooge

**Study Type** : Human Study

**Additional Links**

**Diseases** : Pneumococcal Infections : CK(52) : AC(12)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)

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Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.


**Article Published Date** : Jan 01, 2003

**Authors** : K Dear, J Holden, R Andrews, D Tatham

**Study Type** : Human Study

**Additional Links**

**Diseases** : Pneumococcal Infections : CK(52) : AC(12), Pneumonia : CK(409) : AC(55)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Pneumococcal : CK(71) : AC(8)
Review: based on currently available research, pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations.

Pubmed Data: Cochrane Database Syst Rev. 2002(2):CD001480. PMID: [12076412]

Article Published Date: Jan 01, 2002

Authors: M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damoiseaux, G A Zielhuis

Study Type: Review

Additional Links

Diseases: Ear Infection: CK(306) : AC(42), Pneumococcal Infections: CK(52) : AC(12)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Pneumococcal: CK(71) : AC(8)

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Pneumonia (AC 4) (CK 41)

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.


Article Published Date: Jan 01, 2010

Authors: Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type: Meta Analysis

Additional Links

Diseases: Elderly: Age Specific Diseases: CK(442) : AC(38), Influenza: CK(789) : AC(123), Pneumonia: CK(409) : AC(55)

Anti Therapeutic Actions: Vaccination: Influenza: CK(435) : AC(50)

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Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.


Article Published Date: Jan 01, 2003

Authors: K Dear, J Holden, R Andrews, D Tatham

Study Type: Human Study

Additional Links
**Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.**


**Article Published Date**: Jun 30, 2004

**Authors**: Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

**Study Type**: Human Study

**Additional Links**

**Diseases**: Diarrhea : CK(612) : AC(83), Malaria : CK(145) : AC(58), Measles : CK(291) : AC(33), Pneumonia : CK(409) : AC(55)

**Additional Keywords**: Undernourishment And Susceptibility To Infectious Disease : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.**

**Pubmed Data**: Sci Transl Med. 2013 Aug 28 ;5(200):200ra114. PMID: [23986398](https://doi.org/10.1126/scitranslmed.3006470)

**Article Published Date**: Aug 27, 2013

**Authors**: Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Lower Respiratory Infections : CK(12) : AC(3), Pneumonia : CK(409) : AC(55)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

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**Pneumonitis (AC 1) (CK 3)**

A case of lethal status epilepticus and lymphocytic pneumonitis has been reported.
**Polio (AC 4) (CK 17)**

"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."

**Pubmed Data**: Lancet. 1991 Sep 21 ;338(8769):715-20. PMID: **1679866**

**Article Published Date**: Sep 20, 1991

**Authors**: R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(14) : AC(4), Poliomyelitis : CK(33) : AC(4)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

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**Case report: failure to clear persistent vaccine-derived neurovirulent poliovirus infection in an immunodeficient man.**

**Pubmed Data**: Lancet. 2004 May 8 ;363(9420):1509-13. PMID: **15135598**

**Article Published Date**: May 07, 2004

**Authors**: Calman MacLennan, Glynis Dunn, Aarnoud P Huissoon, Dinakantha S Kumararatne, Javier Martin, Paula O’Leary, Ronald A Thompson, Husam Osman, Philip Wood, Philip Minor, David J Wood, Deenan Pillay

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Polio : CK(19) : AC(8)

**Pharmacological Actions**: Antiviral Agents : CK(938) : AC(433)
The oral polio vaccine is unlikely to be able to eradicate polio from India.


**Article Published Date**: Apr 16, 2008

**Authors**: Yash Paul

**Study Type**: Human Study

**Additional Links**

**Diseases**: Polio : CK(19) : AC(8)

**Anti Therapeutic Actions**: Vaccination: Polio : CK(98) : AC(17)

Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.


**Article Published Date**: May 01, 2012

**Authors**: Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianarivelvo, Francis Delpeyrroux

**Study Type**: Review

**Additional Links**

**Diseases**: Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(14) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Polio : CK(98) : AC(17)

"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."


**Article Published Date**: Sep 20, 1991
Vaccine-derived poliovirus infection is estimated to have infected many thousands of people.


Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.

Pubmed Data: J Infect Dis. 2012 May 1;205(9):1363-73. Epub 2012 Mar 29. PMID: 22457288
"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."


At the present time, the only poliovirus-caused poliomyelitis cases reported in Brazil and other countries of the Americas are of vaccine etiology.


In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.


**Article Published Date**: Jul 31, 2011

**Authors**: Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

**Study Type**: Human Study

**Additional Links**

**Diseases**: Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Poliomyelitis : CK(33) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)


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Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold.

**Pubmed Data**: Dev Biol Stand. 1986;65:123-6. PMID: [3549394](https://doi.org/10.1016/0012-1606(86)90148-6)

**Article Published Date**: Jan 01, 1986

**Authors**: H V Wyatt

**Study Type**: Review

**Additional Links**

**Diseases**: Poliomyelitis : CK(33) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Polio : CK(98) : AC(17)

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The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.


**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review

**Additional Links**

Vaccine-associated paralytic poliomyelitis (VAPP) has emerged as the predominant form of the disease in the United States since 1980.

Article Published Date: Feb 01, 1992
Authors: P M Strebel, R W Sutter, S L Cochi, R J Biellik, E W Brink, O M Kew, M A Pallansch, W A Orenstein, A R Hinman
Study Type: Human Study
Additional Links
Diseases: Poliomyelitis: CK(33): AC(4)
Additional Keywords: Iatrogenic Poliomyelitis: CK(20): AC(2)
Anti Therapeutic Actions: Vaccination: Polio: CK(98): AC(17)

Polyarteritis Nodosa (AC 1) (CK 1)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.

Article Published Date: May 15, 2010
Authors: Joerg-Patrick Stübgen
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)
**Polyradiculoneuropathy: Acute Inflammatory (AC 1) (CK 3)**

**A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.**


**Article Published Date**: May 01, 2001

**Authors**: E Sindern, J M Schröder, M Krismann, J P Malin

**Study Type**: Human: Case Report

**Additional Links**

- **Diseases**: Acute Inflammatory Demyelinating Polyradiculoneuropathy: CK(3) : AC(1), Polyradiculoneuropathy: Acute Inflammatory: CK(87) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Pre-Eclampsia (AC 1) (CK 10)**

**Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.**


**Article Published Date**: Sep 20, 2011

**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type**: Human Study

**Additional Links**

- **Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)
- **Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.


Article Published Date: Sep 20, 2011

Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type: Human Study

Additional Links


Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(14): AC(3), Tumor necrosis factorα (TNFα) up-regulation: CK(42): AC(4)

Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants.

Pregnancy: Vaccination (AC 5) (CK 51)

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.


During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as preterm birth.

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date**: Sep 20, 2011

**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factorα (TNFα) up-regulation : CK(42) : AC(4)

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In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.


**Article Published Date**: Jan 01, 1975

**Authors**: V Boniuk

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

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Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.

**Pubmed Data**: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026

**Article Published Date**: Jul 01, 2004

**Authors**: Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

**Study Type**: Meta Analysis

**Additional Links**
**Premature Birth (AC 2) (CK 20)**

CRP level in infants is elevated in the 48 hours following immunization.


**Article Published Date**: Aug 01, 2007

**Authors**: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

**Study Type**: Human Study

**Additional Links**

**Diseases**: C-Reactive Protein : CK(1852) : AC(174), Premature Birth : CK(424) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Multiple Vaccines : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.**


**Article Published Date**: Mar 29, 2008

**Authors**: G V Stajich, G P Lopez, S W Harry, W R Sexson

**Study Type**: Human Study

**Additional Links**

**Diseases**: Mercury Poisoning : CK(228) : AC(178), Premature Birth : CK(424) : AC(45)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Preterm Birth: Prevention (AC 1) (CK**
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](https://doi.org/10.1016/j.vaccine.2011.06.094)

**Article Published Date**: Sep 20, 2011

**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factorα (TNFα) up-regulation : CK(42) : AC(4)

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**Prostate Cancer (AC 1) (CK 2)**

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

**Pubmed Data**: Biologicals. 2010 May;38(3):371-6. Epub 2010 Apr 8. PMID: [20378372](https://doi.org/10.1016/j.biologicals.2010.02.003)

**Article Published Date**: May 01, 2010

**Authors**: Takayuki Miyazawa

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Chronic Fatigue Syndrome : CK(275) : AC(40), Prostate Cancer : CK(1499) : AC(438), Retroviruses : CK(7) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
Pseudolymphoma (AC 1) (CK 3)

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.


Article Published Date: Mar 14, 2012

Authors: Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marrauld, Jean-Pierre Bellocq, Marie-Pierre Chenard

Study Type: Human: Case Report, Review

Additional Links

Diseases: Chronic Fatigue Syndrome: CK(275) : AC(40), Macrophagic myofasciitis: CK(36) : AC(7), Pseudolymphoma: CK(3) : AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Problem Substances: Aluminum Hydroxide: CK(79) : AC(18), Vaccine Adjuvants: CK(594) : AC(118)

Adverse Pharmacological Actions: Immunotoxic: CK(294) : AC(52)

Psychiatric Disorders (AC 1) (CK 3)

The psychic reactions following injections of bacterial vaccines.

Pubmed Data: Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: 14794265

Authors: J ILAVSKY

Study Type: Human: Case Report

Additional Links

Diseases: Psychiatric Disorders: CK(110) : AC(27), Vaccine-induced Toxicity: CK(1325) : AC(194)

Additional Keywords: Bacterial Vaccines: CK(3) : AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)
**Acute immune thrombocytopenic purpura as adverse reaction to oral polio vaccine (OPV).**

**Pubmed Data**: Hum Vaccin Immunother. 2013 Jun 4 ;9(8). Epub 2013 Jun 4. PMID: [23807364](https://pubmed.ncbi.nlm.nih.gov/23807364/)

**Article Published Date**: Jun 03, 2013

**Authors**: Cheng-Qiang Jin, Hai-Xin Dong, Zhuo-Xiang Sun, Jian-Wei Zhou, Cui-Yun Dou, Shu-Hua Lu, Rui-Rui Yang

**Study Type**: Human: Case Report

**Diseases**: Purpura: Thrombocytopenic : CK(231) : AC(25), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Oral Polio Vaccine, Bivalent : CK(10) : AC(1)

**MMR vaccination is associated with an increased risk for idiopathic thrombocytopenic purpura.**


**Article Published Date**: Jan 01, 2003

**Authors**: Corri Black, James A Kaye, Hershel Jick

**Study Type**: Human Study

**Diseases**: Purpura: Thrombocytopenic : CK(231) : AC(25), Thrombocytopenia : CK(234) : AC(26)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

**Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.**


**Article Published Date**: Mar 01, 2008

**Authors**: Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis, K

**Study Type**: Human Study
The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

**Pubmed Data**: JAMA. 1994 May 25;271(20):1602-5. PMID: 8182813

**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review

Thrombocytopenic purpura following vaccination in early childhood has been reported.

**Pubmed Data**: J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511

**Article Published Date**: Dec 01, 2010

**Authors**: Yuh-Lin Hsieh, Lung-Huang Lin

**Study Type**: Human Study

Vaccination is associated with thrombocytopenic purpura in children.


**Article Published Date**: Feb 26, 2007

**Authors**: J Rajantie, B Zeller, I Treutiger, S Rosthøj

**Study Type**: Human Study
Rabies (AC 3) (CK 15)

Rabies encephalitis in a child: a failure of rabies post exposure prophylaxis?


Authors: Faten Tinsa, Aida Borgi, Imen Jahouat, Khadija Boussetta

Study Type: Human: Case Report

Additional Links

Diseases: Rabies: CK(13) : AC(3)

Additional Keywords: Vaccine Failure: CK(255) : AC(32)

Anti Therapeutic Actions: Vaccination: Rabies: CK(4) : AC(3)

Rabies vaccine may be ineffective during symptomatic rabies and may contribute to "early death."

Pubmed Data: Vaccine. 2009 Nov 27;27(51):7173-7. PMID: 19925949

Authors: Rodney E Willoughby

Study Type: Animal Study

Anti Therapeutic Actions: Vaccination: Rabies: CK(4) : AC(3)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.


Authors: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P
Respiratory Diseases (AC 1) (CK 10)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.


Article Published Date: Jun 01, 2009

Authors: Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä

Study Type: Human Study

Additional Links

Diseases: Infant Infections: CK(410) : AC(44), Respiratory Diseases: CK(260) : AC(40), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: Pneumococcal: CK(71) : AC(8)

Retroviruses (AC 3) (CK 4)

Live attenuated virus Vaccines produced on chicken-derived cells contain low levels of particle-associated reverse transcriptase (RT).
The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

Vaccines produced in chick embryo cells had significant reverse transcriptase activity.

Rhabdomyolysis (AC 1) (CK 3)
Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.


**Article Published Date**: May 01, 2000

**Authors**: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Rhabdomyolysis: CK(165) : AC(38), Statin-Induced Pathologies: CK(1638) : AC(327)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

**Problem Substances**: Statin Drugs: CK(4171) : AC(500)

**Adverse Pharmacological Actions**: Myotoxicity: CK(327) : AC(80)

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**Rheumatoid Arthritis (AC 3) (CK 13)**

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.


**Article Published Date**: Nov 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Arthritis: CK(1964) : AC(312), Autoimmune Diseases: CK(6629) : AC(1128), Rheumatoid Arthritis: CK(706) : AC(117), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Adult Rubella: CK(24) : AC(5), Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

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**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.**


**Article Published Date**: Jun 01, 2005
**Authors:** David A Geier, Mark R Geier  
**Study Type:** Human Study  
**Additional Links**  
**Anti Therapeutic Actions:** Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

**Pubmed Data:** Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633  
**Article Published Date:** Feb 01, 2010  
**Authors:** Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard  
**Study Type:** Commentary  
**Additional Links**  

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**Rift Valley Fever (AC 1) (CK 2)**

**Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.**

**Article Published Date:** Jan 01, 2009  
**Authors:** Samia Ahmed Kamal
"Lack of correlation between serum rotavirus antibody titers and protection following vaccination with reassortant RRV vaccines."

**Pubmed Data**: Vaccine. 1995 Sep ;13(13):1226-32. PMID: 8578808

**Article Published Date**: Aug 31, 1995

**Authors**: R L Ward, D I Bernstein

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"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate."


**Article Published Date**: Dec 31, 2011

**Authors**: Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj
Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Pubmed Data: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.


Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.


Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.
During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.


In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.


Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine.

**Sarcoma (AC 1) (CK 1)**

**Feline injection site-associated sarcoma is a serious problem associated with malignancy.**


**Article Published Date**: Oct 05, 2006

**Authors**: Jolle Kirpensteijn

**Study Type**: Review

**Additional Links**

**Diseases**: Sarcoma : CK(56) : AC(35), Tumors : CK(203) : AC(119), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

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**Seizures (AC 2) (CK 13)**

**DPT vaccines have been associated with recurrent seizures.**


**Article Published Date**: Oct 01, 1984

**Authors**: J V Murphy, L D Sarff, K M Marquardt

**Study Type**: Human Study
**H1N1 vaccination has been linked to possible new-onset seizure.**


**Article Published Date**: Jan 01, 2011

**Authors**: [No authors listed]

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Influenza : CK(789) : AC(123), Seizures : CK(190) : AC(55)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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**Sepsis (AC 1) (CK 10)**

**This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.**


**Article Published Date**: May 31, 2015

**Authors**: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

**Study Type**: Human Study

**Additional Links**

**Diseases**: Infants: Low Birth Weight : CK(144) : AC(15), Infants: Very Low Birth Weight/Low Birth Weight : CK(212) : AC(19), Sepsis : CK(197) : AC(54), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Adverse Reaction : CK(13) : AC(2), Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
Shingles (AC 1) (CK 10)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Article Published Date: Jul 19, 2010
Authors: Mark R Nelson, Helena C Britt, Christopher M Harrison
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(113) : AC(12), Herpes Zoster: CK(473) : AC(36), Shingles: CK(473) : AC(36), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection: CK(20) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Varicella (Chicken pox): CK(177) : AC(22)

Shoulder Injuries (AC 1) (CK 3)

Case report: a shoulder injury related to vaccine administration.

Article Published Date: Oct 31, 2012
Authors: Matthew G Barnes, Christopher Ledford, Karen Hogan
Study Type: Human: Case Report
Additional Links
Diseases: Shoulder Injuries: CK(23) : AC(2), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Influenza: CK(435) : AC(50)
Silicone Implant Toxicity (AC 1) (CK 10)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.

Article Published Date: Oct 01, 2008
Authors: Agmon-Levin Nancy, Yehuda Shoenfeld
Study Type: Human Study
Additional Links
Additional Keywords: Silicone Implants : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Simian virus 40 (SV40) (AC 1) (CK 5)

Some oral poliovirus vaccines were contaminated with infectious SV40 after 1961.

Article Published Date: Nov 15, 2005
Authors: Rochelle Cutrone, John Lednicky, Glynis Dunn, Paola Rizzo, Maurizio Bocchetta, Konstantin Chumakov, Philip Minor, Michele Carbone
Study Type: Human In Vitro
Additional Links
Diseases: Simian virus 40 (SV40) : CK(102) : AC(20)
Additional Keywords: Vaccine Contamination : CK(5) : AC(1)
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)
Problem Substances: Simian virus 40 (SV40) : CK(114) : AC(24)
Sleep Disorders (AC 1) (CK 10)

Typhoid vaccination produced significant impairments in several measures of sleep continuity.


**Article Published Date**: Aug 08, 2016

**Authors**: Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

**Study Type**: Human Study

**Diseases**:
- Circadian Dysregulation : CK(165) : AC(34)
- Sleep Disorders : CK(282) : AC(32)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(5137) : AC(437)

**Adverse Pharmacological Actions**:
- Inflammatory : CK(244) : AC(66)

Smallpox (AC 4) (CK 24)

Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.


**Article Published Date**: Jun 01, 2010

**Authors**: Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor

**Study Type**: Human Study

**Diseases**:
- Smallpox : CK(23) : AC(4)
- Vaccine-induced Toxicity : CK(1325) : AC(194)
- Vaccinia virus : CK(27) : AC(6)

**Anti Therapeutic Actions**:
- Vaccination: Smallpox : CK(71) : AC(8)

**Review**: possible adverse effects that are associated with smallpox vaccination.


**Article Published Date**: Feb 21, 2003
Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

Pubmed Data: Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: 11548257

Vaccinia virus infections can be transmissible and can cause severe complications in those with weakened immune systems.

**Spongiform Encephalopathies: Transmissible (AC 1) (CK 1)**

Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines.

Pubmed Data: Dev Biol (Basel). 2001;106:455-9; discussion 460-1, 465-75. PMID: 11761262

Article Published Date: Jan 01, 2001

Authors: N R Cashman

Study Type: Commentary

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

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**Statin-Induced Pathologies (AC 1) (CK 3)**

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.


Article Published Date: May 01, 2000

Authors: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

Study Type: Human: Case Report

Additional Links

Diseases: Rhabdomyolysis: CK(165): AC(38), Statin-Induced Pathologies: CK(1638): AC(327)


Problem Substances: Statin Drugs: CK(4171): AC(500)

Adverse Pharmacological Actions: Myotoxicity: CK(327): AC(80)
**Streptococcus pneumoniae infection (AC 1) (CK 1)**

**Vaccination Drives Changes in Metabolic and Virulence Profiles of Streptococcus pneumoniae.**


Article Published Date: Jun 30, 2015

Authors: Eleanor R Watkins, Bridget S Penman, José Lourenço, Caroline O Buckee, Martin C J Maiden, Sunetra Gupta

Study Type: In Vitro Study

Additional Links

Diseases: Streptococcus pneumoniae infection : CK(32) : AC(16)

Additional Keywords: Vaccine-Induced Metabolic Shift (VIMS) : CK(1) : AC(1)

Anti Therapeutic Actions: Vaccination: Pneumococcal : CK(71) : AC(8)

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**Stroke: Prevention (AC 1) (CK 10)**

**Influenza vaccination does not prevent ischemic stroke and it does not reduce the rate of acute previous infections in stroke patients.**


Article Published Date: Jan 01, 2008

Authors: G Piñol-Ripoll, I de la Puerta, S Santos, F Purroy, E Mostacero

Study Type: Human Study

Additional Links

Diseases: Stroke: Prevention : CK(163) : AC(21)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437) , Vaccination: Influenza : CK(435) : AC(50)
Sudden Infant Death Syndrome (SIDS) (AC 11) (CK 86)

A case of sudden infant death associated with hexavalent immunization has been reported.

Article Published Date: Aug 06, 2008
Authors: Stefano D'Errico, Margherita Neri, Irene Riezzo, Giuseppina Rossi, Cristoforo Pomara, Emanuela Turillazzi, Vittorio Fineschi
Study Type: Human: Case Report
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hexavalent : CK(6) : AC(2)

DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.

Article Published Date: Jul 01, 2010
Authors: Joseph Prandota
Study Type: Commentary
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Urinary Tract Infections: CK(397) : AC(57), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.

Article Published Date: Jan 01, 1990
Authors: Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu
Study Type: Human: Case Report
Additional Links
In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).

Article Published Date: Jul 01, 1987
Authors: S C Roberts
Study Type: Human: Case Report
Additional Links

Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.

Article Published Date: Jun 01, 2001
Authors: L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive
Study Type: Meta Analysis
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.

Article Published Date: Apr 01, 2007
Authors: Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty
Study Type: Human Study
Additional Links
Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations.

Pubmed Data: J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: 17654772
Article Published Date: Feb 01, 2007
Authors: Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz
Study Type: Human: Case Report

Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS): CK(138): AC(18)

Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization.

Article Published Date: Aug 01, 1987
Authors: A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss
Study Type: Human Study

Additional Links

Sudden infant death syndrome (SIDS) shortly after hexavalent vaccination has been reported.

Article Published Date: Jan 01, 2006
Authors: Giulia Ottaviani, Anna Maria Lavezzi, Luigi Matturri
Study Type: Human: Case Report

Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS): CK(138): AC(18)
Sudden infant death syndrome and DTP vaccine timing may be linked.

Article Published Date: Jul 01, 2002
Authors: L J Baraff, W J Ablon, R C Weiss
Study Type: Human Study

Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS)
Anti Therapeutic Actions: Vaccination: All, Vaccination: Diphtheria-Pertussis-Tetanus

Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome.

Article Published Date: Jan 01, 1995
Authors: A P Jonville-Bera, E Autret, J Laugier
Study Type: Meta Analysis

Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS), Vaccine-induced Toxicity
Anti Therapeutic Actions: Vaccination: All, Vaccination: Diphtheria-Pertussis-Tetanus

Swine Flu Associated Virus (AC 5) (CK 34)

Influenza-related mortality is not prevented with increasing vaccination coverage.

Article Published Date: Oct 30, 2006
Authors: Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller
Study Type: Human Study
**Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.**


**Article Published Date**: Jul 15, 2008

**Authors**: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(182) : AC(40)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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**Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).**


**Article Published Date**: Oct 23, 2009

**Authors**: Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

**Study Type**: Commentary

**Additional Links**

**Diseases**: H1N1 Infection : CK(583) : AC(113), Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Widening influenza vaccine coverage is not correleated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.**


**Article Published Date**: Feb 14, 2005

**Authors**: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

**Study Type**: Human Study
**Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.**

**Pubmed Data:** Arch Neurol. 2010 Aug;67(8):1018-20. PMID: [20697056](#)

**Article Published Date:** Aug 01, 2010

**Authors:** Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington

**Study Type:** Human: Case Report

**Additional Links**

**Diseases:** Myelitis : CK(42) : AC(6), Swine Flu Associated Virus : CK(182) : AC(40)

**Anti Therapeutic Actions:** Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50), Vaccination: Nasal : CK(3) : AC(1)

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**Syncope (AC 1) (CK 10)**

**Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.**

**Pubmed Data:** JAMA. 2009 Aug 19;302(7):750-7. PMID: [19690307](#)

**Article Published Date:** Aug 19, 2009

**Authors:** Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander

**Study Type:** Human Study

**Additional Links**

**Diseases:** Syncope : CK(10) : AC(1), Thromboembolism : CK(205) : AC(16)

**Anti Therapeutic Actions:** Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)
**Systemic Lupus Erythematosus (AC 6) (CK 37)**

**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.**


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Systemic lupus erythematosus has been triggered by hepatitis B vaccine.**


**Article Published Date**: Aug 01, 2010

**Authors**: D Santoro, G Vita, R Vita, A Mallamace, V Savica, G Bellinghieri, S Benvenga, S Gangemi

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Systemic Lupus Erythematosus : CK(466) : AC(67)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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**Systemic lupus erythematosus related to hepatitis B vaccine has been reported.**


**Article Published Date**: Nov 01, 2009

**Authors**: N Agmon-Levin, Y Zafrir, Z Paz, T Shilton, G Zandman-Goddard, Y Shoenfeld

**Study Type**: Human Study

**Additional Links**
This describes four cases of auto-immune reactions after tetanus vaccination.

Article Published Date: Jul 18, 2016
Authors: N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy
Study Type: Human: Case Report
Additional Links
Diseases: Antiphospholipid Syndrome: CK(3) : AC(1), Autoimmune Diseases: CK(6629) : AC(1128), Dermatomyositis: CK(47) : AC(10), Diabetes Mellitus: Type 1: CK(1130) : AC(301), Systemic Lupus Erythematosus: CK(466) : AC(67)
Additional Keywords: Risk Factors: CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: Tetanus: CK(74) : AC(12)

Vaccination can precipitate lupus erythematosus.

Article Published Date: Dec 01, 1999
Authors: S A Older, D F Battafarano, R J Enzenauer, A M Krieg
Study Type: Human Study
Additional Links
Diseases: Systemic Lupus Erythematosus: CK(466) : AC(67), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Vaccination may contribute to causing a wide variety of autoimmune disorders.

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary
Additional Links
Tetanus (AC 3) (CK 23)

Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old children.

Article Published Date: Feb 01, 2011
Authors: Sung-Hsi Wei, Yen-Nan Chao, Song-En Huang, Tsuey-Feng Lee, Luan-Yin Chang
Study Type: Human Study
Additional Links
Diseases: Tetanus: CK(47) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Neonatal tetanus despite protective serum antitoxin concentration.

Article Published Date: May 31, 1991
Authors: S Y Maselle, R Matre, R Mbise, T Hofstad
Study Type: Human Study
Additional Links
Diseases: Tetanus : CK(47) : AC(5)
Additional Keywords: Antibody Theory Of Vaccinology : CK(75) : AC(5), Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: Tetanus : CK(74) : AC(12)

Severe tetanus has been reported in immunized patients with high anti-tetanus titers.

A 13-year-old girl developed immune thrombocytopenic purpura following vaccination with a quadrivalent human papillomavirus (HPV) vaccine.

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.
Hepatitis B vaccination is associated with a wide range of autoimmune diseases.


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

**Pubmed Data**: Autoimmunity. 2005 Jun;38(4):295-301. PMID: 16206512

**Article Published Date**: Jun 01, 2005

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

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MMR vaccination is associated with an increased risk for idiopathic thrombocytopenic purpura.


**Article Published Date**: Jan 01, 2003

**Authors**: Corri Black, James A Kaye, Hershel Jick

**Study Type**: Human Study

**Diseases**: Purpura: Thrombocytopenic : CK(231) : AC(25), Thrombocytopenia : CK(234) : AC(26)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)
MMR vaccination is associated with an increased risk of developing acute immune thrombocytopenia in childhood.


**Article Published Date**: Jan 01, 2010

**Authors**: Federica Bertuola, Carla Morando, Francesca Menniti-Ippolito, Roberto Da Cas, Annalisa Capuano, Giorgio Perilongo, Liviana Da Dalt

**Study Type**: Human Study

**Additional Links**

**Diseases**: Thrombocytopenia : CK(234) : AC(26)

**Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.


**Article Published Date**: Mar 01, 2008

**Authors**: Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis

**Study Type**: Human Study

**Additional Links**

**Diseases**: Purpura: Thrombocytopenic : CK(231) : AC(25), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008.

**Pubmed Data**: Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: [21126606](https://pubmed.ncbi.nlm.nih.gov/21126606/)

**Article Published Date**: Nov 29, 2010

**Authors**: Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadomy, John Iskander, Judy Beeler, Frederick Varricchio, Robert Ball

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)
Vaccination is associated with thrombocytopenic purpura in children.

Article Published Date: Feb 26, 2007
Authors: J Rajantie, B Zeller, I Treutiger, S Rosthøj,
Study Type: Human Study

Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Thromboembolism (AC 1) (CK 10)

Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.

Pubmed Data: JAMA. 2009 Aug 19;302(7):750-7. PMID: 19690307
Article Published Date: Aug 19, 2009
Authors: Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander
Study Type: Human Study

Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: HPV (Gardisil): CK(150): AC(22)

Tuberculosis (AC 1) (CK 10)
**BCG revaccination may raise mortality in young children.**


Article Published Date: Jan 01, 2010

Authors: Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby

Study Type: Human Study

Additional Links

Diseases: Childhood Infections: CK(275) : AC(29), Tuberculosis: CK(312) : AC(54)

Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis): CK(33) : AC(4)

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**Tumors (AC 1) (CK 1)**

**Feline injection site-associated sarcoma is a serious problem associated with malignancy.**


Article Published Date: Oct 05, 2006

Authors: Jolle Kirpensteijn

Study Type: Review

Additional Links

Diseases: Sarcoma: CK(56) : AC(35), Tumors: CK(203) : AC(119), Vaccine-induced Toxicity: CK(1325) : AC(194)


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**Ulcerative Colitis (AC 1) (CK 10)**

**Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its**
possible role in the pathogenesis of these disorders.

Article Published Date: Apr 01, 2000
Authors: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield
Study Type: Human Study
Additional Links
Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Inflammatory Bowel Diseases: CK(1052) : AC(197), Ulcerative Colitis: CK(295) : AC(59), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

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Upper Respiratory Infections (AC 4) (CK 50)

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.

Pubmed Data: Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352
Article Published Date: Apr 01, 2009
Authors: Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering
Study Type: Human Study
Additional Links
Diseases: Infant Infections: CK(410) : AC(44), Pneumococcal Infections: CK(52) : AC(12), Upper Respiratory Infections: CK(950) : AC(114)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Pneumococcal: CK(71) : AC(8)

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Increased risk (4.4 fold) of noninfluenza respiratory virus infections associated with receipt of inactivated influenza vaccine.

Article Published Date: May 31, 2012
Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants.

Article Published Date: Aug 01, 2004
Authors: Steven B Black, Henry R Shinefield, Eric K France, Bruce H Fireman, Sharon T Platt, David Shay,
Study Type: Human Study
Additional Links
Diseases: Pregnancy: Flu : CK(10) : AC(1), Upper Respiratory Infections : CK(950) : AC(114)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.

Pubmed Data: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026
Article Published Date: Jul 01, 2004
Study Type: Meta Analysis
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)
### Urinary Tract Infections (AC 1) (CK 1)

**DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.**


**Article Published Date**: Jul 01, 2010

**Authors**: Joseph Prandota

**Study Type**: Commentary

**Additional Links**

**Diseases**:
- Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)
- Urinary Tract Infections : CK(397) : AC(57)
- Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(5137) : AC(437)
- Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

### Uveitis (AC 2) (CK 11)

**Adverse ocular effects of vaccination have been reported.**

**Pubmed Data**: Ophthalmologe. 2016 Jul ;113(7):615-22. PMID: 27357302

**Article Published Date**: Jun 30, 2016

**Authors**: T Ness, H Hengel

**Study Type**: Commentary

**Additional Links**

**Diseases**:
- Eye Diseases : CK(896) : AC(170)
- Uveitis : CK(79) : AC(15)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(5137) : AC(437)

### Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.

**Pubmed Data**: Cutan Ocul Toxicol. 2010 Mar;29(1):26-9. PMID: 19947819

**Article Published Date**: Mar 01, 2010

**Authors**: Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder

**Study Type**: Human Study

**Additional Links**
**A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.**


**Article Published Date** : Nov 01, 1996

**Authors** : M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

**Study Type** : Animal Study

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

**An animal vaccine was identified as a possible cause of a series of lamb abortions.**

**Pubmed Data** : Vaccine. 2010 Aug 9 ;28(35):5657-63. PMID: [20554095](https://doi.org/10.1002/vac.20068)

**Article Published Date** : Aug 09, 2010

**Authors** : Nicholas Wheelhouse, Kevin Aitchison, Karine Laroucau, Jill Thomson, David Longbottom

**Study Type** : Animal Study

**Additional Links**

**Diseases** : Vaccination: Abortion : CK(40) : AC(13)

**Congenital malformation is a possible consequence of rubella vaccination during pregnancy.**


**Article Published Date** : Sep 25, 1981

**Authors** : S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

**Study Type** : Human Study
During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.


**Article Published Date** : Feb 15, 1976

**Authors** : M Siegel

**Study Type** : Review

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.


**Article Published Date** : Jan 01, 1975

**Authors** : V Boniuk

**Study Type** : Human Study

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.


**Article Published Date** : Apr 01, 1991

**Authors** : D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

**Study Type** : Animal Study

**Additional Links**

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.

Article Published Date : Jun 01, 2006
Authors : Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart
Study Type : Animal Study
Additional Links

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.

Article Published Date : Jan 01, 2009
Authors : Samia Ahmed Kamal
Study Type : Animal Study
Additional Links

The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial.

Article Published Date : May 02, 2008
Authors : Soju Chang, Robert Ball, M Miles Braun
The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

Pubmed Data: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
Article Published Date: Mar 01, 2005
Authors: M Flanagan, S J Johnson
Study Type: Animal Study

There are 76 factors (cytokines/chemokines/growth factors/others) that have been identified that are involved in various steps of the establishment of pregnancy and which could become targets/liabilities for vaccine-induced abortion/contraception.

Article Published Date: Jul 01, 2011
Authors: Angela R Lemons, Rajesh K Naz
Study Type: Animal Study

There is evidence that a DNA vaccine exhibits anti-fertility properties.

Article Published Date: Jul 12, 2011
Authors: Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng
Study Type: Animal Study
Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.


**Article Published Date**: Apr 01, 1991

**Authors**: A Escajadillo, J K Frenkel

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)

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**Vaccine-induced Toxicity (AC 168) (CK 1181)**

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002."


**Article Published Date**: Nov 08, 2002

**Study Type**: Review

**Additional Links**

**Diseases**: Brain Inflammation : CK(274) : AC(145), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Yellow Fever : CK(13) : AC(2)

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"Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010."


**Article Published Date**: Sep 14, 2013
"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

**Pubmed Data**: Lupus. 2012;21(2):223-30. PMID: [22235057](https://doi.org/10.1080/09612033.2012.656495)

**Article Published Date**: Jan 01, 2012

**Authors**: L Tomljenovic, Ca Shaw

**Study Type**: Review

**Diseases**: Aluminum Toxicity: CK(207): AC(75), Autoimmune Diseases: CK(6629): AC(1128), Vaccine-induced Toxicity: CK(1325): AC(194)

**Antithuspeutic Actions**: Vaccination: All: CK(5137): AC(437)

"Viral nucleic acids in live-attenuated vaccines: detection of minority variants and an adventitious virus."


**Article Published Date**: May 31, 2010

**Authors**: Joseph G Victoria, Chunlin Wang, Morris S Jones, Crystal Jaing, Kevin McLoughlin, Shea Gardner, Eric L Delwart

**Study Type**: Review

**Diseases**: Vaccine-induced Toxicity: CK(1325): AC(194)

**Additional Keywords**: Adventitious Viruses: CK(18): AC(9), Iatrogenic Disease: CK(226): AC(26)


38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).

**Pubmed Data**: J Pediatr. 1997 Oct;131(4):529-35. PMID: [9386653](https://doi.org/10.1016/S0022-3476(97)70436-2)
A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported.


A case of extensive ulcerating vasculitis following a BCG vaccination has been reported.


A measles outbreak was reported in a highly vaccinated population, San Diego, 2008

**A modified self-controlled case series method links multidose vaccinations to sudden unexpected death.**


**Article Published Date**: Mar 15, 2011

**Authors**: Ronny Kuhnert, Hartmut Hecker, Christina Poethko-Müller, Martin Schlaud, Mechtild Vennemann, Heather J Whitaker, C Paddy Farrington

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.**


**Article Published Date**: Sep 28, 2014

**Authors**: Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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**A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.**


**Article Published Date**: Nov 01, 1996

**Authors**: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Animal Model : CK(41) : AC(17)
Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.

Article Published Date: Dec 01, 2008
Authors: William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis
Study Type: Commentary

Acute immune thrombocytopenic purpura as adverse reaction to oral polio vaccine (OPV).

Pubmed Data: Hum Vaccin Immunother. 2013 Jun 4 ;9(8). Epub 2013 Jun 4. PMID: 23807364
Article Published Date: Jun 03, 2013
Authors: Cheng-Qiang Jin, Hai-Xin Dong, Zhuo-Xiang Sun, Jian-Wei Zhou, Cui-Yun Dou, Shu-Hua Lu, Rui-Rui Yang
Study Type: Human: Case Report

Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported.

Article Published Date: Jul 01, 2010
Authors: Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere
Study Type: Human Study

Acute transverse myelitis after influenza vaccination has been reported.
Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old
children.

**Article Published Date**: Feb 01, 2011
**Authors**: Sung-Hsi Wei, Yen-Nan Chao, Song-En Huang, Tsuey-Feng Lee, Luan-Yin Chang
**Study Type**: Human Study
**Additional Links**
**Diseases**: Tetanus : CK(47) : AC(5), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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**Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.**

**Pubmed Data**: Arch Dermatol. 2010 Jun;146(6):656-61. PMID: 20566929
**Article Published Date**: Jun 01, 2010
**Authors**: Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor
**Study Type**: Human Study
**Additional Links**
**Diseases**: Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194), Vaccinia virus : CK(27) : AC(6)
**Anti Therapeutic Actions**: Vaccination: Smallpox : CK(71) : AC(8)

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**Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.**

**Article Published Date**: Feb 01, 2009
**Authors**: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier
**Study Type**: Commentary
**Additional Links**
**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Chronic Fatigue Syndrome : CK(275) : AC(40), Myopathy: Inflammatory : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1325) : AC(194)
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

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**Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines.**
An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine.

An association between Pandemrix vaccination and narcolepsy has been observed in Finland and Sweden

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.
Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.


Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children.


Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.

Autoimmunity following hepatitis B vaccine has been reported.

**Pubmed Data**: Lupus. 2012 Feb ;21(2):146-52. PMID: 22235045

**Article Published Date**: Jan 31, 2012

**Authors**: Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(429) : AC(54)

**Adverse Pharmacological Actions**: Immunotoxic : CK(294) : AC(52)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.


**Article Published Date**: Aug 15, 2008

**Authors**: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax : CK(47) : AC(9), Birth Defects : CK(204) : AC(39), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

**Adverse Pharmacological Actions**: Teratogenic : CK(320) : AC(63)

Breastfeeding attenuates reductions in energy intake induced by a mild immunologic stimulus represented by DPTH immunization.


**Article Published Date**: Jun 01, 2002
**Breastfeeding is associated with a decreased incidence of fever after immunizations.**


**Article Published Date**: Jun 01, 2010

**Authors**: Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo

**Study Type**: Human Study

**Additional Links**

**Substances**: Breast Milk : CK(438) : AC(50)

**Diseases**: Fever : CK(90) : AC(17), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Therapeutic Actions**: Breastfeeding : CK(803) : AC(85)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Pharmacological Actions**: Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1823) : AC(669)

**Additional Keywords**: Multiple Vaccines : CK(10) : AC(1)

**CRP level in infants is elevated in the 48 hours following immunization.**


**Article Published Date**: Aug 01, 2007

**Authors**: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

**Study Type**: Human Study

**Additional Links**

**Diseases**: C-Reactive Protein : CK(1852) : AC(174), Premature Birth : CK(424) : AC(45), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Multiple Vaccines : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Case report: a shoulder injury related to vaccine administration.**


**Article Published Date**: Oct 31, 2012
Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis.


Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.


Combined MMR and varicella live vaccine is associated with higher rates of febrile convolution than giving the vaccines separately.

Congenital malformation is a possible consequence of rubella vaccination during pregnancy.

**Pubmed Data**: JAMA. 1981 Sep 25;246(13):1413-7. PMID: 7265443

**Article Published Date**: Sep 25, 1981

**Authors**: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann


**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

DPT vaccines have been associated with recurrent seizures.


**Article Published Date**: Oct 01, 1984

**Authors**: J V Murphy, L D Sarff, K M Marquardt

**Diseases**: Pertussis : CK(123) : AC(23), Seizures : CK(190) : AC(55), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.

**Pubmed Data**: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532

**Article Published Date**: Feb 01, 2000

**Authors**: E L Hurwitz, H Morgenstern

**Diseases**: Allergies : CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-
DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.

Article Published Date: Jul 01, 2010
Authors: Joseph Prandota
Study Type: Commentary
Additional Links

DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau.

Article Published Date: Jan 25, 2007
Authors: Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabelia Rodrigues
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: Combinations: CK(20): AC(2)

Deep morphea after vaccination in two young children has been reported.

Article Published Date: Sep 01, 2006
Authors: Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Delayed focal lipoatrophy after AS03-adjuvanted influenza A (H1N1) 2009 vaccine has been reported.
Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.

Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls.

Diptheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau.
During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.

Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.

Evidence exists demonstrating that diphtheria-tetanus-pertussis (DTP) vaccines increase mortality in children.
Fatal adverse pulmonary reaction in calves after inadvertent intravenous vaccination has been reported.

Pubmed Data: Vet Pathol. 2005 Jul;42(4):492-5. PMID: 16006609
Article Published Date: Jul 01, 2005
Authors: J D Ramsay, C L Williams, E Simko
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1325) : AC(194)

Feline injection site-associated sarcoma is a serious problem associated with malignancy.

Article Published Date: Oct 05, 2006
Authors: Jolle Kirpensteijn
Study Type: Review
Additional Links
Diseases: Sarcoma : CK(56) : AC(35), Tumors : CK(203) : AC(119), Vaccine-induced Toxicity : CK(1325) : AC(194)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Article Published Date: Sep 20, 2011
Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser
Study Type: Human Study
Additional Links

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Adverse Pharmacological Actions: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factorα (TNFα) up-regulation : CK(42) : AC(4)

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From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection.

Article Published Date: Apr 01, 2012
Authors: Thomas P Monath
Study Type: Review
Additional Links
Diseases: Vaccine-induced Toxicity : CK(1325) : AC(194), Yellow Fever : CK(1) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Yellow Fever : CK(13) : AC(2)

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Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.

Article Published Date: Jul 01, 2010
Authors: Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières
Study Type: Human: Case Report
Additional Links
Diseases: Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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HIV-1/AIDS may have been caused by contaminated polio vaccines grown in SIV infected chimpanzee kidney cells during the late 1950's.

Article Published Date: Jan 28, 2010
Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.


Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.


Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis.

**Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.**


Article Published Date: Sep 01, 2005

Authors: Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

Study Type: Human Study

Additional Links

Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Demyelinating Diseases: CK(1671) : AC(332), Vaccine-induced Toxicity: CK(1325) : AC(194)

Additional Keywords: Hepatitis B Vaccine: CK(30) : AC(2), Molecular Mimicry: CK(67) : AC(15)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

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**Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.**

Pubmed Data: Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: 12397738

Article Published Date: Nov 01, 2002

Authors: David A Geier, Mark R Geier

Study Type: Human Study

Additional Links

Diseases: Gastrointestinal Diseases: CK(76) : AC(24), Hepatitis: CK(66) : AC(25), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

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**Hepatitis B vaccinations is associated wtih autoimmune hazards.**

Pubmed Data: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: 15722255

Article Published Date: Feb 01, 2005
Hepatitis B vaccine alters the expression of 144 genes in the mouse liver within 1 day of vaccination, 7 of which are related to inflammation and metabolism.

Article Published Date: Jun 21, 2011
Authors: Heyam Hamza, Jianhua Cao, Xinyun Li, Shuhong Zhao
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1325): AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Hepatitis B vaccine associated with dermatomyositis has been reported.

Article Published Date: Apr 01, 2008
Authors: Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Hepatitis B vaccine induces cell death in liver cells and mouse liver.

Article Published Date: Jan 17, 2012
Authors: Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao
Study Type: Animal Study
Additional Links
Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.

Pubmed Data: Epidemiology. 1999 May;10(3):337-9. PMID: 10230847
Article Published Date: May 01, 1999
Authors: M A Fisher, S A Eklund
Study Type: Human Study
Additional Links
Diseases: Liver Disease: CK(145): AC(41), Vaccine-induced Toxicity: CK(1325): AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429): AC(54)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

Pubmed Data: Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133
Article Published Date: Sep 14, 2004
Authors: Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick
Study Type: Human Study
Additional Links
Additional Keywords: Hepatitis B Vaccine: CK(30): AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.

Article Published Date: Mar 01, 2010
Authors: Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437), Vaccination: Hepatitis B: CK(429)
Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.

Article Published Date: May 01, 2003
Authors: Maurizio Montella, Anna Crispo, Maria Grimaldi, Vincenzo Tridente, Mario Fusco
Study Type: Human Study
Additional Links
Diseases: Hepatitis C: CK(474) : AC(87), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

High antibody titres against predicted Mycoplasma surface proteins do not prevent sequestration in infected lung tissue in the course of experimental contagious bovine pleuropneumonia.

Article Published Date: Aug 05, 2014
Authors: Elise Schieck, Anne Liljander, Carl Hamsten, Nimmo Gicheru, Massimo Scacchia, Flavio Sacchini, Martin Heller, Christiane Schnee, Anja Sterner-Kock, Andreas Hlinak, Jan Naessens, Jane Poole, Anja Persson, Joerg Jores
Study Type: Human Study
Additional Links
Diseases: Mycoplasma Infections: CK(14) : AC(5), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Antibody Theory Of Vaccinology: CK(75) : AC(5)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

High titre measles vaccination increases female mortality in those receiving immunization in West Africa.

Article Published Date: Jun 01, 1996
Authors: K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine
Study Type: Human Study
Additional Links
Diseases: Measles: CK(291) : AC(33), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Measles: CK(252) : AC(31)
Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.


Article Published Date: Jan 01, 2009

Authors: I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

Study Type: Human Study

Additional Links

Diseases: Demyelinating Diseases: CK(1671) : AC(332), HPV: CK(31) : AC(4), Human Papillomavirus (HPV): CK(212) : AC(35), Vaccine-induced Toxicity: CK(1325) : AC(194)

Additional Keywords: HPV Vaccine: CK(10) : AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: HPV (Gardisil): CK(150) : AC(22)

Immune-mediated myelitis following hepatitis B vaccination has been reported.


Article Published Date: Apr 01, 2012

Authors: Joerg-Patrick Stübgen

Study Type: Human: Case Report

Additional Links

Diseases: Myelitis: CK(42) : AC(6), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Hepatitis B: CK(429) : AC(54)

In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).


Article Published Date: Jul 01, 1987

Authors: S C Roberts

Study Type: Human: Case Report

Additional Links

Diseases: Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36)

In 2011, there were an extra 47,500 new cases of non-polio
acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.

**Pubmed Data**: Indian J Med Ethics. 2012 Apr-Jun;9(2):114-7. PMID: [22591873](#)

**Article Published Date**: Apr 01, 2012

**Authors**: Neetu Vashisht, Jacob Puliyl

**Study Type**: Review

**Additional Links**

**Diseases**: Non-polio acute flaccid paralysis (NPAFP): CK(12) : AC(3), Poliomyelitis: CK(33) : AC(4), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Polio : CK(98) : AC(17)

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In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.


**Article Published Date**: Jan 01, 1975

**Authors**: V Boniuk

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(5137) : AC(437)

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In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.

**Pubmed Data**: J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: [19730016](#)

**Article Published Date**: Sep 01, 2009

**Authors**: Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi

**Study Type**: Human Study

**Additional Links**

**Diseases**: Guillain-Barre Syndrome : CK(110) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54), Vaccination: Influenza : CK(435) : AC(50)
Incidence of adverse reactions to vaccines in pediatric populations are under-reported and may be as high as 43.4% for certain vaccine combinations.

Article Published Date: Jan 01, 2004
Authors: Pilar Carrasco-Garrido, Carmen Gallardo-Pino, Rodrigo Jiménez-García, Miguel A Tapias, Angel Gil de Miguel
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1325) : AC(194)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.

Article Published Date: Jul 19, 2010
Authors: Mark R Nelson, Helena C Britt, Christopher M Harrison
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(113) : AC(12), Herpes Zoster: CK(473) : AC(36), Shingles: CK(473) : AC(36), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection: CK(20) : AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Varicella (Chickenpox): CK(177) : AC(22)

Infection and vaccines are triggers for autoimmune disease.

Article Published Date: May 01, 2005
Authors: Vered Molina, Yehuda Shoenfeld
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)
Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.


**Article Published Date**: Sep 01, 2010

**Authors**: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

**Study Type**: Human Study

**Additional Links**

**Diseases**: C-Reactive Protein : CK(1852) : AC(174), Cardiovascular Diseases : CK(7342) : AC(916), Diabetes Mellitus: Type 2 : CK(3572) : AC(624), Influenza A : CK(387) : AC(101), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Pharmacological Actions**: Interleukin-6 upregulation : CK(26) : AC(7)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination did not reduce the risk of subsequent hospital admission among patients with vaccine failure. These findings do not support the hypothesis that vaccination mitigates influenza illness severity.


**Article Published Date**: Jan 15, 2014

**Authors**: Huong Q McLean, Jennifer K Meece, Edward A Belongia

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccination may increase the risk of Guillain-Barré Syndrome.


**Article Published Date**: Dec 01, 2008

**Authors**: C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos
Influenza vaccines may be causing vasculitis.


**Article Published Date**: Aug 01, 2000

**Authors**: Rainer Birck, Isabelle Kaelisch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.


**Article Published Date**: Nov 01, 2009

**Authors**: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat

**Study Type**: Human Study

**Diseases**: Childhood Infections : CK(275) : AC(29), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.


**Article Published Date**: Mar 01, 2007

**Authors**: Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang

**Study Type**: Human Study

**Diseases**: Anthrax : CK(47) : AC(9), Vaccine-induced Toxicity : CK(1325) : AC(194)
Live attenuated influenza vaccines may cause shedding of the virus in children 6-59 months.

Pubmed Data: Vaccine. 2011 Apr 20. Epub 2011 Apr 20. PMID: 21513761
Article Published Date: Apr 20, 2011
Authors: Raburn M Mallory, Tingting Yi, Christopher S Ambrose
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Animal Model : CK(41) : AC(17)

Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.

Article Published Date: Dec 31, 2009
Authors: Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko
Study Type: Animal Study
Additional Links
Diseases: Amygdala: Damage/Abnormalities : CK(12) : AC(2), Neurodevelopmental Disorders : CK(217) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)
Problem Substances: Thimerosal : CK(757) : AC(85)

Measles vaccination in developing countries has resulted in higher infant mortality rates.

Pubmed Data: BMJ. 1993 Nov 20;307(6915):1294-5. PMID: 8257878
Article Published Date: Nov 20, 1993
Authors: A J Hall, F T Cutts
Study Type: Review
Additional Links
Diseases: Child Mortality : CK(74) : AC(9), Measles : CK(291) : AC(33), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Measles : CK(252) :
Measles vaccine and glyphosate-induced parkinsonism has been reported.

Article Published Date: Jun 01, 2003
Authors: Maria do Desterro Leiros da Costa, Lilian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: Measles: CK(252): AC(31)
Problem Substances: Glyphosate: CK(502): AC(160)
Adverse Pharmacological Actions: Neurotoxic: CK(1251): AC(224)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.

Article Published Date: Apr 01, 2000
Authors: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield
Study Type: Human Study
Additional Links

Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.

Article Published Date: Mar 01, 2008
Authors: Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,
Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.


**Article Published Date** : Aug 01, 2009

**Authors** : José G Dórea, Rejane C Marques, Katiane G Brandão

**Study Type** : Meta Analysis

**Diseases** : Hepatitis B : CK(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Neurological adverse events associated with vaccination.


**Article Published Date** : May 31, 2002

**Authors** : Sucheep Piyasirisilp, Thiravat Hemachudha

**Study Type** : Review

**Diseases** : Autism : CK(617) : AC(73), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Additional Keywords** : Adverse Events : CK(35) : AC(5), Vaccine Contaminants : CK(11) : AC(2)

**Problem Substances** : Aluminum : CK(274) : AC(78), Thimerosal : CK(757) : AC(85)

Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays.


**Article Published Date** : Jan 01, 2010

**Authors** : Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White

**Study Type** : Animal Study

**Diseases** : Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1325) : AC(194)
Noticeable adverse reactions to the HPV vaccine occurred in 22% of those polled.


**Article Published Date**: Dec 14, 2010

**Authors**: M Amparo Torrecilla Rojas, Miguel Pedregal González, Fermín García Rodríguez, Josefa Ruiz Fernández

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil): CK(150) : AC(22)

Optic neuritis following hepatitis B vaccination has been reported.


**Article Published Date**: Nov 01, 2009

**Authors**: Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Optic Neuritis : CK(39) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008.

**Pubmed Data**: Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: [21126606](https://doi.org/10.1002/0020-1481(1999116)100:5<1095::AID-INF2>3.0.CO;2-1)

**Article Published Date**: Nov 29, 2010

**Authors**: Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadomy, John Iskander, Judy Beeler, Frederick Varricchio, Robert Ball

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

Over 40,000 cases of AFP are reported annually since 2007
regardless of the number of actual polio cases.


**Article Published Date** : Jan 01, 2012

**Authors** : Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

**Study Type** : Review

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Polio : CK(98) : AC(17)

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Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.


**Article Published Date** : Jun 01, 2001

**Authors** : L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive

**Study Type** : Meta Analysis

**Additional Links**

**Diseases** : Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437)

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Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.


**Article Published Date** : Jul 31, 2011

**Authors** : Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

**Study Type** : Human Study

**Additional Links**

**Diseases** : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Poliomyelitis : CK(33) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)


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Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible
individuals.

Pubmed Data: Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: 20447868
Article Published Date: Nov 01, 2002
Authors: Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic
Study Type: Human Study
Diseases: Dravet syndrome: CK(40) : AC(4), Encephalitis: CK(31) : AC(8), Vaccine-induced Toxicity: CK(1325) : AC(194)

Pertussis vaccine has been linked to hypotonic-hyposresponsive episodes (HHE) in infants and children.

Article Published Date: Jan 01, 2002
Authors: Michael S Gold
Study Type: Human Study
Diseases: Vaccine-induced Toxicity: CK(1325) : AC(194)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

Article Published Date: Jun 01, 2009
Authors: Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä
Study Type: Human Study
Diseases: Infant Infections: CK(410) : AC(44), Respiratory Diseases: CK(260) : AC(40), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Pneumococcal: CK(71) : AC(8)
Possible systemic lupus erythematosus following HPV immunization has been reported.

Article Published Date: Jan 01, 2012
Authors: Hf Soldevilla, Sfr Briones, Sv Navarra
Study Type: Human: Case Report
Additional Links
Diseases: Lupus Erythematosus: Systemic : CK(486) : AC(69), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)

Post-infection rabies vaccination increases mortality in mice.

Article Published Date: Jan 01, 1988
Authors: J Blancou, D Sitte
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

PubMed Data: J Wildl Dis. 1991 Apr;27(2):258-64. PMID: 1906114
Article Published Date: Apr 01, 1991
Authors: D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams
Study Type: Animal Study
Additional Links

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM
antibodies.


**Article Published Date**: Jun 01, 2006

**Authors**: Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Animal Model: CK(41) : AC(17)

---

**Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.**

**Pubmed Data**: J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: [19817607](#)

**Article Published Date**: Nov 01, 2009

**Authors**: Margaret M Cortese, Mary Allen Staat, Geoffrey A Weinberg, Kathryn Edwards, Marilyn A Rice, Peter G Szilagyi, Caroline B Hall, Daniel C Payne, Umesh D Parashar

**Study Type**: Human Study

**Additional Links**

**Diseases**: Intussusception: CK(30) : AC(3), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Rotavirus: CK(33) : AC(6)

---

**Review: possible adverse effects that are associated with smallpox vaccination.**


**Article Published Date**: Feb 21, 2003

**Authors**: Joanne Cono, Christine G Casey, David M Bell,

**Study Type**: Review

**Additional Links**

**Diseases**: Smallpox: CK(23) : AC(4), Vaccine-induced Toxicity: CK(1325) : AC(194)

**Pharmacological Actions**: Antiviral Agents: CK(938) : AC(433)

**Anti Therapeutic Actions**: Vaccination: All: CK(5137) : AC(437), Vaccination: Smallpox: CK(71) : AC(8)

---

**Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.**
Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.

Rotavirus vaccinations have a history of causing adverse effects such as intussusception.

Rotavirus vaccines have been found contaminated with porcine circovirus.
Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.

Article Published Date: Apr 01, 2007
Authors: Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty
Study Type: Human Study
Additional Links

Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

Pubmed Data: Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: 11548257
Article Published Date: Mar 01, 2001
Study Type: Human Study
Additional Links

Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization.

<table>
<thead>
<tr>
<th>Article Published Date</th>
<th>Aug 01, 1987</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors</td>
<td>A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss</td>
</tr>
<tr>
<td>Study Type</td>
<td>Human Study</td>
</tr>
<tr>
<td>Diseases</td>
<td>Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)</td>
</tr>
<tr>
<td>Anti Therapeutic Actions</td>
<td>Vaccination: All : CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)</td>
</tr>
</tbody>
</table>

**Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.**


<table>
<thead>
<tr>
<th>Article Published Date</th>
<th>Jul 15, 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors</td>
<td>Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen</td>
</tr>
<tr>
<td>Study Type</td>
<td>Human Study</td>
</tr>
<tr>
<td>Diseases</td>
<td>Acute Autoimmune Neuropathy : CK(20) : AC(2), Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Swine Flu Associated Virus : CK(182) : AC(40), Vaccine-induced Toxicity : CK(1325) : AC(194)</td>
</tr>
<tr>
<td>Additional Keywords</td>
<td>Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)</td>
</tr>
<tr>
<td>Anti Therapeutic Actions</td>
<td>Vaccination: All : CK(5137) : AC(437)</td>
</tr>
</tbody>
</table>

**Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.**

Pubmed Data: Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: 10640454

<table>
<thead>
<tr>
<th>Article Published Date</th>
<th>Feb 01, 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors</td>
<td>P B Asa, Y Cao, R F Garry</td>
</tr>
<tr>
<td>Study Type</td>
<td>Human Study</td>
</tr>
<tr>
<td>Diseases</td>
<td>Gulf War Syndrome : CK(43) : AC(6), Vaccine-induced Toxicity : CK(1325) : AC(194)</td>
</tr>
<tr>
<td>Anti Therapeutic Actions</td>
<td>Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)</td>
</tr>
</tbody>
</table>

**The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.**
The administration of meningitis C vaccination 1 week before the onset of HSP suggests that it can be added to the list of potential triggering agents.

The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database.

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and...
The epidemic of autism may be linked to both vaccinations and mitochondrial diseases.

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.

The number of elective abortions following vaccination
during pregnancy may be under-reported and could be substantial.

Article Published Date: May 02, 2008
Authors: Soju Chang, Robert Ball, M Miles Braun
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

The psychic reactions following injections of bacterial vaccines.

Pubmed Data: Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: 14794265
Authors: J ILAVSKY
Study Type: Human: Case Report
Additional Links
Diseases: Psychiatric Disorders : CK(110) : AC(27), Vaccine-induced Toxicity : CK(1325) : AC(194)
Additional Keywords: Bacterial Vaccines : CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain.

Article Published Date: Jan 01, 1985
Authors: G T Stewart
Study Type: Meta Analysis
Additional Links
Diseases: Vaccine-induced Toxicity : CK(1325) : AC(194), Whooping Cough : CK(147) : AC(22)

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.
The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure.

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.
There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates.


There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.


There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

There is evidence that a DNA vaccine exhibits anti-fertility properties.


Article Published Date: Jul 12, 2011

Authors: Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng

Study Type: Animal Study

Additional Links


Anti Therapeutic Actions: Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009.

Pubmed Data: Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: 20869467

Article Published Date: Sep 23, 2010

Authors: Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi

Study Type: Human Study

Additional Links

Diseases: Guillain-Barre Syndrome : CK(110) : AC(18), Vaccine-induced Toxicity : CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: HPV (Gardisil) : CK(150) : AC(22)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.


Article Published Date: Dec 31, 2013

Authors: Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon
Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.


**Article Published Date** : Mar 01, 2004

**Authors** : David A Geier, Mark R Geier

**Study Type** : Meta Analysis

**Additional Links**

**Diseases** : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

---

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.


**Article Published Date** : Mar 15, 2012

**Authors** : Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenc, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin

**Study Type** : Human Study

**Additional Links**

**Diseases** : Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Adverse Pharmacological Actions** : Tumor necrosis factorα (TNFα) up-regulation : CK(42) : AC(4)

---

This patient developed optic neuritis about five days after being given a dose of MMR vaccine.


**Article Published Date** : Dec 31, 2015
This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.

Article Published Date: May 31, 2015
Authors: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith
Study Type: Human Study
Diseases: Infants: Low Birth Weight: CK(144) : AC(15) , Infants: Very Low Birth Weight/Low Birth Weight: CK(212) : AC(19), Sepsis: CK(197) : AC(54), Vaccine-induced Toxicity: CK(1325) : AC(194)
Additional Keywords: Adverse Reaction: CK(13) : AC(2), Increased Risk: CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Thrombocytopenic purpura following vaccination in early childhood has been reported.

Pubmed Data: J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511
Article Published Date: Dec 01, 2010
Authors: Yuh-Lin Hsieh, Lung-Huang Lin
Study Type: Human Study

Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.

Article Published Date: May 31, 2005
Authors: S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G
Transmissable spongiform encephalopathies may be passed iatrogenically through vaccines.

Pubmed Data: Dev Biol (Basel). 2001;106:455-9; discussion 460-1, 465-75. PMID: 11761262
Article Published Date: Jan 01, 2001
Authors: N R Cashman
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)

Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant.

Pubmed Data: Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: 18583795
Article Published Date: May 01, 2008
Authors: Sarvjit Kaur, Sanjeev Handa
Study Type: Human Study
Additional Links
Diseases: Erythema: CK(74): AC(9), Vaccine-induced Toxicity: CK(1325): AC(194)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.

Article Published Date: Sep 01, 2000
Authors: I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type: Human Study
Additional Links
Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).


Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.


Vaccination can precipitate lupus erythematosus.


Vaccination for contraception.

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.


Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome.


Vaccination is associated with thrombocytopenic purpura in children.

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.

Pubmed Data: Lupus. 2009 Nov;18(13):1198-204. PMID: 19880568
Article Published Date: Nov 01, 2009
Authors: N Agmon-Levin, S Kivity, M Szyper-Kravitz, Y Shoenfeld
Study Type: Meta Analysis
Additional Links
Diseases: Myelitis: CK(42) : AC(6), Vaccine-induced Toxicity: CK(1325) : AC(194)

Vaccination is associated with an increased risk for hemolytic anemia.

Article Published Date: Dec 09, 2009
Authors: Allison L Naleway, Edward A Belongia, James G Donahue, Burney A Kieke, Jason M Glanz,
Study Type: Meta Analysis
Additional Links
Diseases: Hemolytic Anemia: CK(34) : AC(6), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36), Vaccination: Hepatitis B: CK(429) : AC(54)

Vaccination may be contributing to autoimmune disease.

Article Published Date: Feb 01, 2000
Authors: Y Shoenfeld, A Aron-Maor
Study Type: Commentary
Additional Links
Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Autoimmune Diseases: CK(6629) : AC(1128), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)
Vaccination may contribute to causing a wide variety of autoimmune disorders.


Article Published Date: Feb 01, 2010

Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type: Commentary

Additional Links


Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).


Article Published Date: Nov 30, 2014

Authors: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(5137): AC(437)


Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.


Article Published Date: Apr 01, 1991
Vaccination proponents have suggested that breastfeeding should be delayed in order to prevent immune factors within breast milk from inactivating vaccine-associated antibody titer elevations and vaccine potency.


Vaccination-associated adverse events occur in approximately 1 of every 6 toddlers receiving measles-mumps-rubella vaccine dose 1, with high fever occurring in 1 of 20


Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent
recombination events and mutations.

Pubmed Data: J Infect Dis. 2012 May 1 ;205(9):1363-73. Epub 2012 Mar 29. PMID: 22457288
Article Published Date: May 01, 2012
Authors: Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianarivelo, Francis Delpeyrroux
Study Type: Review
Additional Links
Diseases: Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(14) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)

Vaccine-induced scrapie has been reported in animals.

Pubmed Data: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
Article Published Date: Apr 01, 2003
Authors: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli
Study Type: Animal Study
Additional Links

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.

Article Published Date: Apr 01, 2009
Authors: Donald A Drum
Study Type: Commentary
Additional Links
Additional Keywords: Thimerosal : CK(3) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Vaccines with Thimerosal led to more adverse events in
We consider it likely that pandemrix vaccination contributed to the increased incidence of narcolepsy in Finland in 2010 in HLA DQB1*0602 positive children.

Whole cell pertussis vaccines may have been causing serious neurological disorders.

Zinc supplementation has a beneficial effect on malaise, one of the influenza vaccine associated adverse events,
and decrease serum TNF-α levels.


**Article Published Date** : Apr 21, 2011

**Authors** : S Songül Yalçın, Defne Engür-Karasi mav, Dursun Alehan, Kadriye Yurdakök, Süheyla Ozkutlu, Turgay Coşkun

**Study Type** : Human Study

**Additional Links**

**Substances** : Zinc : CK(941) : AC(139)
**Diseases** : Vaccine-induced Toxicity : CK(1325) : AC(194)
**Pharmacological Actions** : Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1823) : AC(669)
**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

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### Vaccinia virus (AC 3) (CK 23)

**Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.**


**Article Published Date** : Jun 01, 2010

**Authors** : Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor

**Study Type** : Human Study

**Additional Links**

**Diseases** : Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194), Vaccinia virus : CK(27) : AC(6)

**Anti Therapeutic Actions** : Vaccination: Smallpox : CK(71) : AC(8)

---

### Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

**Pubmed Data** : Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: [11548257](https://doi.org/10.1007/BF02397854)

**Article Published Date** : Mar 01, 2001


**Study Type** : Human Study

**Additional Links**

**Diseases** : Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1325) : AC(194), Vaccinia virus :
Vaccinia virus infections can be transmissible and can cause severe complications in those with weakened immune systems.

Article Published Date: Mar 31, 2011
Authors: Christine M Hughes, David Blythe, Yu Li, Ramani Reddy, Carol Jordan, Cindy Edwards, Celia Adams, Holly Conners, Catherine Rasa, Sue Wilby, Jamaal Russell, Kelly S Russo, Patricia Somsel, Danny L Wiedbrauk, Cindy Dougherty, Christopher Allen, Mike Frace, Ginny Emerson, Victoria A Olson, Scott K Smith, Zachary Braden, Jason Abel, Whitni Davidson, Mary Reynolds, Inger K Damon
Study Type: Human: Case Report

Additional Links
Diseases: Smallpox: CK(23) : AC(4), Vaccinia virus: CK(27) : AC(6)
Additional Keywords: Adverse Events: CK(35) : AC(5), Vaccine Stain: CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: Smallpox: CK(71) : AC(8)

Varicella (AC 4) (CK 40)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convolution than giving the vaccines separately.

Article Published Date: Jul 23, 2009
Authors: Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier
Study Type: Human Study

Additional Links
Near complete vaccination coverage for varicella does not prevent outbreaks in those treated.


**Article Published Date**: Jun 01, 2006

**Authors**: Adriana S Lopez, Dalya Guris, Laura Zimmerman, Linda Gladden, Tamara Moore, Dirk T Haselow, Vladimir N Loparev, D Scott Schmid, Aisha O Jumaan, Sandra L Snow

**Study Type**: Human Study

**Additional Links**

**Diseases**: Varicella : CK(50) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.


**Article Published Date**: Dec 09, 2009

**Authors**: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437) , Vaccination: Lyme disease : CK(11) : AC(2) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

---

Varicella outbreaks occur in vaccinated populations, even when receiving 2 doses.


**Article Published Date**: Aug 01, 2009

**Authors**: Philip L Gould, Jessica Leung, Connie Scott, D Scott Schmid, Helen Deng, Adriana Lopez, Sandra S Chaves, Meredith Reynolds, Linda Gladden, Rafael Harpaz, Sandra Snow

**Study Type**: Human Study

**Additional Links**

**Diseases**: Varicella : CK(50) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437) , Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)
Vasculitis (AC 6) (CK 28)

A case of extensive ulcerating vasculitis following a BCG vaccination has been reported.

Article Published Date: Aug 01, 2009
Authors: A Ghattaura, K A Eley, E Molenaar, G Smith
Study Type: Human: Case Report
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1325) : AC(194), Vasculitis: CK(48) : AC(11)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: BCG (Tuberculosis): CK(33) : AC(4)

A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.

Article Published Date: Jul 01, 2005
Authors: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak
Study Type: Human: Case Report
Additional Links
Diseases: Glomerulonephritis: CK(33) : AC(10), Vasculitis: CK(48) : AC(11)
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Article Published Date: Jun 01, 2005
Authors: David A Geier, Mark R Geier
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437), Vaccination: Hepatitis B : CK(429) : AC(54)

### Influenza vaccines may be causing vasculitis.


**Article Published Date**: Aug 01, 2000

**Authors**: Rainer Birck, Isabelle Kaebsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1325) : AC(194), Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.


**Article Published Date**: Sep 01, 2003

**Authors**: Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka

**Study Type**: Commentary

**Additional Links**

**Diseases**: Peripheral Neuropathies : CK(214) : AC(35), Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

Vaccination may contribute to causing a wide variety of autoimmune disorders.


**Article Published Date**: Feb 01, 2010

**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

**Study Type**: Commentary

**Additional Links**


Viremia (AC 1) (CK 10)

Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome.

Article Published Date: Apr 20, 2009
Authors: Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(113) : AC(12), Viremia: CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Varicella (Chickenpox): CK(177) : AC(22)

Vitamin D Deficiency (AC 1) (CK 10)

Antibody titers for all HPV strains were significantly higher among those with lower vitamin D levels and among younger participants.

Pubmed Data: Hum Vaccin Immunother. 2015 Jul 15:0. Epub 2015 Jul 15. PMID: 26176493
Article Published Date: Jul 14, 2015
Authors: Richard K Zimmerman, Chyongchiou Jeng Lin, Jonathan M Raviotta, Mary Patricia Nowalk
Study Type: Human Study
Additional Links
Substances: Vitamin D: CK(3681) : AC(511)
Diseases: Human Papillomavirus (HPV): CK(212) : AC(35), Vitamin D Deficiency: CK(1706) : AC(180)
Pharmacological Actions: Immunomodulatory: CK(1287) : AC(358)
Whooping Cough (AC 15) (CK 92)

"Primary infections with either B. pertussis or Bordetella parapertussis stimulated a vigorous antibody response to ACT. In contrast, patients in whom DTP and DTaP vaccines failed had minimal ACT antibody responses."


Article Published Date: Feb 14, 2004

Authors: James D Cherry, Dorothy X L Xing, Penny Newland, Kashmira Patel, Ulrich Heininger, Michael J Corbel

Study Type: Human Study

Additional Links

Diseases: Parapertussis: CK(13) : AC(2), Whooping Cough: CK(147) : AC(22)

Additional Keywords: Vaccine Failure: CK(255) : AC(32)

Anti Therapeutic Actions: Vaccination: Pertussis: CK(148) : AC(25)

A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.


Article Published Date: Jul 05, 2016

Authors: Ulrich Heininger, Detlef Schlassa

Study Type: Human: Case Report

Additional Links

Diseases: Parapertussis: CK(13) : AC(2), Pertussis: CK(123) : AC(23), Whooping Cough: CK(147) : AC(22)

Anti Therapeutic Actions: Vaccination: Pertussis: CK(148) : AC(25)

Asymptomatic transmission is the most parsimonious explanation for many of the observations surrounding the resurgence of B. pertussis in the US and UK.
Bordetella pertussis strains that are pertactin negative have a greater ability of to colonize acellular vaccine immunised mice.

Both whole-cell and acellular pertussis vaccines are effective at reducing disease severity but not transmission, resulting in outbreaks in vaccinated cohorts.

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in
their offspring, it does not reduce


**Article Published Date**: Nov 10, 2011

**Authors**: Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker

**Study Type**: Human Study

**Additional Links**

**Diseases**: Pertussis: CK(123) : AC(23), Whooping Cough: CK(147) : AC(22)


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**Lactobacillus bulgaricus contains a substance which may improve immunogenicity and reduce the toxicity of pertussis vaccination (whooping cough vaccine).**


**Article Published Date**: Jan 01, 1986

**Authors**: I B Shepeleva, N S Zakharova, T N Remova, I G Bazhanova, M V Britsina

**Study Type**: Animal Study

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

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**Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine.**

**Article Published Date**: Nov 07, 2013

**Authors**: Maria-Rosa Sala-Farré, César Arias-Varela, Assumpta Recasens-Recasens, Maria Simó-Sanahuja, Carmen Muñoz-Almagro, Josefa Pérez-Jové

**Study Type**: Human Study

**Additional Links**

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

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**Pertussis vaccination and asthma: is there a link?**


**Article Published Date**: Aug 23, 1994

**Authors**: M R Odent, E E Culpin, T Kimmel
Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease.

The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain.

The study results can be interpreted as a partial genetic escape of pathogenic strains of B. pertussis beyond the reach of the pertussis vaccines.
**These results suggest that the immune pressure of vaccination is one major driving force for the evolution of B. pertussis.**

**Pubmed Data**: Sci Rep. 2015 ;5:12888. Epub 2015 Aug 18. PMID: [26283022](https://doi.org/10.1038/srep12888)

**Article Published Date**: Dec 31, 2014

**Authors**: Yinghua Xu, Bin Liu, Kirsi Gröndahl-Yli-Hannuksila, Yajun Tan, Lu Feng, Teemu Kallonen, Lichan Wang, Ding Peng, Qiushui He, Lei Wang, Shumin Zhang

**Study Type**: In Vitro Study

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(148) : AC(25)

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**This study demonstrated the differences between natural B. pertussis immune response and vaccine induced immune response.**


**Article Published Date**: Dec 31, 2014

**Authors**: Davide Valentini, Giovanni Ferrara, Reza Advani, Hans O Hallander, Markus J Maeurer

**Study Type**: Human Study

**Diseases**: Whooping Cough : CK(147) : AC(22)


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**Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.**


**Article Published Date**: Sep 01, 2000

**Authors**: I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat

**Study Type**: Human Study
**Yellow Fever (AC 1) (CK 1)**

*From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection.*

**Article Published Date**: Apr 01, 2012  
**Authors**: Thomas P Monath  
**Study Type**: Review  
**Additional Links**  
**Diseases**: Vaccine-induced Toxicity : CK(1325) : AC(194), Yellow Fever : CK(1) : AC(1)  
**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Yellow Fever : CK(13) : AC(2)

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**Zika Virus (AC 1) (CK 10)**

*There are conditions under which vaccination against dengue can significantly increase the Zika outbreak peaks.*

**Article Published Date**: Oct 23, 2016  
**Authors**: Biao Tang, Yanni Xiao, Jianhong Wu
**Category**: Adverse Pharmacological Actions

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**Apoptotic (AC 1) (CK 2)**

*Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.*


**Article Published Date**: Dec 31, 2013

**Authors**: Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon

**Study Type**: Animal Study, In Vitro Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(435) : AC(50)

**Problem Substances**: Thimerosal : CK(757) : AC(85)

**Adverse Pharmacological Actions**: Apoptotic : CK(8) : AC(7), Immunotoxic : CK(294) : AC(52)

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**Hepatotoxic (AC 1) (CK 2)**

*Hepatitis B vaccine induces cell death in liver cells and mouse liver.*
Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.

"Yellow fever vaccination and increased relapse rate in
travelers with multiple sclerosis."


Article Published Date: Oct 01, 2011

Authors: Mauricio F Farez, Jorge Correale

Study Type: Human Study

Additional Links

Diseases: Multiple Sclerosis: CK(964) : AC(184)

Anti Therapeutic Actions: Vaccination: Yellow Fever: CK(13) : AC(2)

Adverse Pharmacological Actions: Immunotoxic : CK(294) : AC(52)

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**Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.**


Article Published Date: Nov 01, 2011

Authors: Lucija Tomljenovic, Christopher A Shaw

Study Type: Human Study

Additional Links

Diseases: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437)

Problem Substances: Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions: Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

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**Autoimmunity following hepatitis B vaccine has been reported.**

Pubmed Data: Lupus. 2012 Feb;21(2):146-52. PMID: 22235045

Article Published Date: Jan 31, 2012

Authors: Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

Study Type: Human: Case Report

Additional Links

Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(429) : AC(54)

Adverse Pharmacological Actions: Immunotoxic : CK(294) : AC(52)

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**Increased risk (4.4 fold) of noninfluenza respiratory virus infections associated with receipt of inactivated influenza vaccine.**

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.
This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human papillomavirus vaccination (HPV).


**Article Published Date**: May 10, 2015

**Authors**: Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

**Additional Keywords**: Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardisil) : CK(150) : AC(22)

**Problem Substances**: Vaccine Adjuvants : CK(594) : AC(118)

**Adverse Pharmacological Actions**: Immunotoxic : CK(294) : AC(52), Inflammatory : CK(244) : AC(66)

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

**Pubmed Data**: JAMA Neurol. 2014 Dec ;71(12):1506-13. PMID: 25329096

**Article Published Date**: Nov 30, 2014

**Authors**: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng

**Study Type**: Human Study

**Additional Links**

**Diseases**: Demyelinating Diseases : CK(1671) : AC(332), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Adverse Pharmacological Actions**: Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

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**Inflammatory (AC 2) (CK 20)**
This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human papillomavirus vaccination (HPV).


Article Published Date: May 10, 2015

Authors: Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

Study Type: Human Study

Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA)

Additional Keywords: Risk Factors

Anti Therapeutic Actions: Vaccination: HPV (Gardisil)

Problem Substances: Vaccine Adjuvants

Adverse Pharmacological Actions: Immunotoxic, Inflammatory

Typhoid vaccination produced significant impairments in several measures of sleep continuity.


Article Published Date: Aug 08, 2016

Authors: Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

Study Type: Human Study

Diseases: Circadian Dysregulation, Sleep Disorders

Additional Links

Anti Therapeutic Actions: Vaccination: All

Adverse Pharmacological Actions: Inflammatory

Interleukin-6 up-regulation (AC 1) (CK 10)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the
risk of preeclempsia and adverse outcomes such as preterm birth.

Article Published Date: Sep 20, 2011
Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)
Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(14) : AC(3), Tumor necrosis factorα (TNFα) up-regulation: CK(42) : AC(4)

Myotoxicity (AC 1) (CK 3)

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.

Article Published Date: May 01, 2000
Authors: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets
Study Type: Human: Case Report
Additional Links
Diseases: Rhabdomyolysis: CK(165) : AC(38), Statin-Induced Pathologies: CK(1638) : AC(327)
Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)
Problem Substances: Statin Drugs: CK(4171) : AC(500)
Adverse Pharmacological Actions: Myotoxicity: CK(327) : AC(80)

Neurotoxic (AC 11) (CK 53)
**Alhydrogel injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects.**


Article Published Date: Nov 27, 2016

Authors: Guillemette Crépeaux, Housam Eidi, Marie-Odile David, Yasmine Baba-Amer, Eleni Tzavara, Bruno Giros, François-Jérôme Authier, Christopher Exley, Christopher A Shaw, Josette Cadusseau, Romain K Gherardi

Study Type: Animal Study

Additional Links

Diseases: Aluminum Toxicity: CK(207) : AC(75)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Problem Substances: Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions: Neurotoxic : CK(1251) : AC(224)

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**Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.**


Article Published Date: Nov 01, 2011

Authors: Lucija Tomljenovic, Christopher A Shaw

Study Type: Human Study

Additional Links

Diseases: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159)

Anti Therapeutic Actions: Vaccination: All : CK(5137) : AC(437)

Problem Substances: Aluminum Hydroxide : CK(79) : AC(18)

Adverse Pharmacological Actions: Immunotoxic : CK(294) : AC(52), Neurotoxic : CK(1251) : AC(224)

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**Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.**

Pubmed Data: Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: 25699008

Article Published Date: Dec 31, 2014

Authors: Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

Study Type: Review

Additional Links

Diseases: Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofascitis : CK(36) : AC(7)
Measles vaccine and glyphosate-induced parkinsonism has been reported.

Article Published Date: Jun 01, 2003
Authors: Maria do Desterro Leiros da Costa, Lilian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi
Study Type: Human: Case Report
Additional Links
Diseases: Glyphosate Toxicity : CK(76) : AC(30), Parkinsonian Disorders : CK(25) : AC(13), Vaccine-induced Toxicity : CK(1325) : AC(194)
Anti Therapeutic Actions: Vaccination: Measles : CK(252) : AC(31)
Problem Substances: Glyphosate : CK(502) : AC(160)
Adverse Pharmacological Actions: Neurotoxic : CK(1251) : AC(224)

Neonatal HBV vaccination of mice results in neurobehavioral impairments in early adulthood.

Article Published Date: Aug 01, 2016
Authors: Junhua Yang, Fangfang Qi, Yang Yang, Qunfang Yuan, Juntao Zou, Kaihua Guo, Zhibin Yao
Study Type: Animal Study
Additional Links
Anti Therapeutic Actions: Vaccination: Hepatitis B : CK(429) : AC(54)
Adverse Pharmacological Actions: Neurotoxic : CK(1251) : AC(224)
Repetitive administration of aluminium to neonatal mice in amounts comparable to those to children receive via routine vaccinations result in neurodisruptive effects.


**Article Published Date**: Oct 31, 2013

**Authors**: C A Shaw, Y Li, L Tomljenovic

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Autism Spectrum Disorders : CK(1493) : AC(159)

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437)

**Problem Substances**: Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

**Adverse Pharmacological Actions**: Neurotoxic : CK(1251) : AC(224)

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Thimerosal at concentrations relevant for infants exposure in vaccines is toxic to cultured human brain cells and to laboratory animals.


**Article Published Date**: May 31, 2011

**Authors**: José G Dórea

**Study Type**: Review

**Additional Links**

**Anti Therapeutic Actions**: Vaccination: All : CK(5137) : AC(437), Vaccination: Influenza : CK(435) : AC(50)

**Problem Substances**: Thimerosal : CK(757) : AC(85)

**Adverse Pharmacological Actions**: Neurotoxic : CK(1251) : AC(224)

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This study provides new evidence to confirm a significant relationship between exposure to thimerosal and increased diagnosis for delays in development.


**Article Published Date**: Jul 08, 2015

**Authors**: David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Developmental Disorder: Children : CK(71) : AC(8)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(429) : AC(54)

**Problem Substances**: Thimerosal : CK(757) : AC(85)

**Adverse Pharmacological Actions**: Neurotoxic : CK(1251) : AC(224)
Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Article Published Date: Nov 30, 2014
Authors: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng
Study Type: Human Study

exposure to thimerosal during early postnatal life produces lasting alterations in the densities of brain opioid receptors along with other neuropathological changes, which may disturb brain development.

Article Published Date: Oct 31, 2010
Authors: Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Teresa Bobrowicz, Maria Dorota Majewska
Study Type: Animal Study

Obesogenic (AC 1) (CK 10)
Increased organic mercury exposure from Thimerosal-
containing hepatitis B vaccines could lead to an increased risk of obesity diagnosis.


**Article Published Date** : Jun 30, 2016

**Authors** : David A Geier, Janet K Kern, Kristin G Homme, Lisa K Sykes, Mark R Geier

**Study Type** : Human Study

**Diseases** : Obesity : CK(2443) : AC(521)

**Additional Keywords** : Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions** : Vaccination: Hepatitis B : CK(429) : AC(54)

**Problem Substances** : Thimerosal : CK(757) : AC(85)

**Adverse Pharmacological Actions** : Obesogenic : CK(73) : AC(14)

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**Teratogenic (AC 1) (CK 10)**

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.


**Article Published Date** : Aug 15, 2008

**Authors** : Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

**Study Type** : Human Study

**Diseases** : Anthrax : CK(47) : AC(9), Birth Defects : CK(204) : AC(39), Vaccine-induced Toxicity : CK(1325) : AC(194)

**Anti Therapeutic Actions** : Vaccination: All : CK(5137) : AC(437), Vaccination: Anthrax : CK(62) : AC(8)

**Adverse Pharmacological Actions** : Teratogenic : CK(320) : AC(63)

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**Tumor necrosis factorα (TNFα) up-**
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.


Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(14) : AC(3), Tumor necrosis factorα (TNFα) up-regulation: CK(42) : AC(4)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.


Authors: Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenc, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin

Study Type: Human Study

Additional Links

Diseases: Arthritis: Juvenile Idiopathic: CK(20) : AC(2), Vaccine-induced Toxicity: CK(1325) : AC(194)

Anti Therapeutic Actions: Vaccination: All: CK(5137) : AC(437), Vaccination: Influenza: CK(435) : AC(50)

Adverse Pharmacological Actions: Tumor necrosis factorα (TNFα) up-regulation: CK(42) : AC(4)

This document is for information purposes only. By providing the information contained herein we are not diagnosing, treating, curing, mitigating, or preventing any type of disease or medical condition. Before beginning any type of natural, integrative or conventional treatment regimen, it is advisable to seek the advice of a licensed healthcare professional.